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ABSTRACT

The study was conducted to determine student needs K-14 and to develop a planning guide for implementing career education programs. Twenty-two school districts in 13 counties of Merged Area 14, South Central Iowa, were surveyed using parent, student, and teacher questionnaires. The following areas were covered by the survey, and the results are tabulated in detail: (1) student needs and interests and course offerings (interest areas in order of preference were: general occupations, agriculture and conservation occupations, and transportation); (2) current course offerings and other activities provided by social agencies; (3) local school needs as viewed by teachers and administrators; (4) student enrollment; (5) geographical constraints and population distribution; (6) resources available to provide career education; and (7) potential for employment opportunities relative to preparatory programs. A five-year plan for implementing career education is presented, divided into 16 procedural steps. Recommendations are presented based on the findings of the study. Appended materials include the following: (1) abstract of project proposal, (2) committee members, (3) minutes of meetings, (4) survey instruments, (5) monthly and quarterly reports from the study coordinator, and (6) a list of basic resource documents available from EDRS. (EC)

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CAREER NEEDS ASSESSMENT

FOR

MERGED AREA XIV

SOUTHWESTERN COMMUNITY COLLEGE

Creston, Iowa

October 1975

Project Director

James D. Cross

Coordinator

Mary E. Wilson

CE 006 678

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FOREWARD

Why We Need Career Education

Seventy-six percent of secondary school students are enrolled in a course of study that has, as its major emphasis, preparation for college -- even though only 2 out of 10 jobs between now and 1980 will require a college degree. Thus, almost 8 of 10 students are receiving an education that will primarily benefit only 2 out of 10 students.

The dropout-failure rate among college students remains among the most stable of all statistics in American education. Forty percent of all who enter college this fall will not make it to their junior year, and 50 percent will never obtain a baccalaurate degree. These adjustments are extremely costly to students and their parents in terms of money, psychological damage, and inability to plan a meaningful future.

Source: "Career Education" by Chamber of Commerce of the United States

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I. INTRODUCTION

CHAPTER I

INTRODUCATION

The purpose of this planning study is to determine the needs of all students, Kindergarten through grade 14 in Merged Area XIV, and to develop a planning guide for implementing Career Education for all schools in Area XIV.

The study was initiated as a joint venture between local school districts and Southwestern Community College, Merged Area XIV, and in cooperation with the Green Valley Area Education Agency, 14. Therefore, the study encompasses twenty-two out of twenty-two school districts in thirteen counties. The school districts involved serve 15,287 students in South Central Iowa.

A major influence for this study was the passing of Senate File 126 by the Iowa General Assembly which contains the following section on Career Education: "The Board of Directors of each local public school district and the authorities in charge of each non public school shall incorporate into the educational program the total concept of Career Education to enable students to become familiar with the values of a work oriented society. Curricular and co-curricular teaching - learning experiences from pre-kindergarten level through grade twelve shall be provided for all students currently enrolled in order to develop an understanding that employment may be meaningful and satisfying. However, Career Education does not mean a separate vocational - technical program is required. A vocational - technical program includes units or partial units in subjects which have as their purpose to equip students with marketable skills."

Essential elements in Career Education shall include, but not be limited to:

1. Awareness of self in relation to others and the needs of society.
2. Exploration of employment opportunities.
3. Experiences which will help students to integrate work values and work skills into their lives."

Also included in this survey are the social agencies operating in Merged Area XIV. Because their client needs relate directly to Career Education and most have direct relationship with both area and local school activities. A total of five agencies were surveyed.

This study is intended to provide the necessary information and direction to local school districts, Area Education Agency and Community College in order that they may work cooperatively in providing career educational opportunities and experiences to the people in Merged Area XIV in the most efficient and effective manner possible.

II. DESCRIPTION OF STUDY

CHAPTER II

DESCRIPTION OF STUDY

The survey and procedures were developed in relationship to the approved proposal for grant funds approved by the Iowa State Department of Public Instruction.

The definition of Career Education as developed by the Iowa Project meets the requirements of this survey: "Career Education is a sequence of planned educational activities designed to develop positive student attitudes, values, knowledges and skills toward self and the world of work that will contribute to personal fulfillment in present and future life opportunities as well as economic independence. Career Education, when incorporated into the existing curriculum, has as its goal the creation of positive career objectives through the involvement of community resources and educational agencies."

Career Education can be divided into four major categories for clarification:

1. Awareness - Learning activities which develop concepts of self and positive attitudes toward the world of work as the basis of later career decisions.
2. Exploration - Broad exploratory efforts of several occupational clusters, with "hands-on" experience.
3. Preparation - Programs, services, or activities designed to provide the specific skills and knowledge essential for successful entry into an occupation. (Vocational-Technical Education)

4. Supplementary - Programs which provides training for persons who already entered the labor market and need training to be updated to achieve stability or advancement in their current job.

For further information, the Iowa Handbook for Administration of Career Education should be consulted.

The Proposal for a Reasearch Grant to Determine the Needs of Merged Area XIV in Relation to the implementation of a Long Range Plan for Career Education identified five (5) major objectives:

1. Establish the extent of need of Career Awareness, exploration, preparation and supplementary training opportunities for K-adult persons of Merged Area XIV.
2. Identify existing resources for the implementation of Career Education in Merged Area XIV.
3. Estimate additional Resources required to meet Career Education needs in Merged Area XIV.
4. Establish the extent of need for Career Awareness, exploration, preparation and supplementary training opportunities for the clients of various social agencies in Merged Area XIV.
5. Develop recommendations, based upon information gathered, regarding the role of schools and agencies in the community in the delivery and coordination of Career Education and support services.

To accomplish these objectives, the following items were reviewed, surveyed, and discussed before recommendations were finalized.

To meet these objectives, this survey used Career Education Planning Components as recommended by Dr. Kenneth Wold, Chief, Planning and Support Services Section, Career Education Division, Iowa Department of Public Instruction. The following table indicates the criteria and sources used in obtaining the required information for this study.

Career Education Planning Components

People Needs Data	Source
*Manpower Requirements	
Labor Demand	Local Manpower Recommendations State Prime Sponsor Employment/Trng. Act FY 1975
Labor Supply	Local Manpower Recommendations State Prime Sponsor Employment/Trng. Act FY 1975
Student Interests	Student Survey

Although the CENIS Survey was used to review, it was concludded in this survey that it did not present an accurate picutre of our Merged Area in the above three (3) categories.

*Population Needs Factors	
Age Levels	Census 1970
Sex	Census 1970
Educational Levels	
Elementary	D.P.I., Supervision Division
Secondary	D.P.I., Supervision Division
Post Secondary	Iowa Guidance Surveys, D.P.I.
Adult	Census 1970

People Needs Data (Continued)	Source
Minority Groups	Local Manpower Recommendations
Veterans	Local Manpower Recommendations
Welfare Recipients	Local Manpower Recommendations
Handicapped	Local Manpower Recommendations
Low School Achiever	Local Manpower Recommendations
Economic Status	Local Manpower Recommendations
Dropouts	Local Manpower Recommendations
Unemployed	Local Manpower Recommendations
Underemployed	Local Manpower Recommendations
Rural Area	Local Manpower Recommendations
Urban Area	Local Manpower Recommendations
Migration Trends	Local Manpower Recommendations

Resources Data

Staff Resources Professional	Survey & Secretary's Annual Report
Support	
Administration & Supervision	Survey & Secretary's Annual Report
Physical Resources	
Facilities	Administrative Survey
Equipment	Administrative Survey
Materials	Administrative Survey
Time	Administrative Survey Student Interest Survey Parent Survey
Financial Resources	Secretary's Annual Report
Programs Services & Activities	Administrative Survey Teacher Survey
Staff Development	Teacher Survey Administrative Survey
Community Resources	Advisory Committee Administrative Surveys

Determining Program Effectiveness

Evaluation
Follow-up Studies
Cost - Benefit Analysis

III. STUDENT NEEDS AND INTERESTS

CHAPTER III

STUDENT SURVEYS

This chapter includes student surveys for Area XIV and current course offerings.

Interest areas in order of preference are: General Occupations, Agriculture & Conservation Occupations, and Transporation. It should be noted that the student interest surveys are composites with individual surveys having been sent to the local school districts on March 19, 1975 so as to give them immediate feedback. It was the feeling of the Working Committee that the composites for material into the survey and the information as pertained directly to each school district, be sent directly to them upon completion. The instrument used for student interest and future plans can be found in the appendix.

COURSE OFFERINGS IN AREA XIV

Offerings of both colleges in Area XIV for preparatory and supplementary courses are listed. Other course offerings related to Career Education can be found in the Administrative Surveys.

TABLE I

Area XIV Career Education Needs Assessment Study
Area XIV 10th & 11th Grade
Occupational Cluster Inventory

	Ag. & Conservation			Media			Business			Construction			Maintenance			Manufacturing			Sales			Food & Lodging		
	*1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Bedford	32	5	4	9	8	8	29	7	2	7	11	3	5	6	5	1	4	2	8	10	2	5	3	6
Bridgewater-Fontanelle	16	10	4	5	5	4	6	4	5	3	8	5	3	2	6	0	0	2	2	1	5	1	3	3
Central Decatur	18	15	8	13	8	12	19	11	4	7	9	6	3	6	3	2	4	4	2	5	5	3	4	3
Clarke Comm.	33	24	15	18	26	16	32	20	12	7	20	14	4	8	10	1	10	6	4	12	8	9	13	17
Clearfield	10	4	2	4	3	5	4	6	4	1	3	1	0	1	2	1	0	1	0	0	0	0	1	0
Corning	35	7	11	18	18	12	18	12	11	6	21	5	3	2	6	2	4	7	4	14	13	1	4	11
Creston	60	24	25	41	42	20	44	47	37	22	26	24	10	12	10	8	13	20	2	21	26	4	9	14
Diagonal	9	3	5	2	4	2	7	7	7	3	3	3	0	1	3	0	2	2	1	3	2	0	3	0
East Union	21	8	4	15	7	6	14	7	1	8	6	1	1	6	4	1	5	3	1	4	4	1	4	2
Grand Valley	14	5	3	3	2	6	4	1	0	1	7	4	1	5	2	0	0	2	0	3	1	0	1	2
Greenfield	34	9	20	11	15	9	22	5	9	3	7	5	4	6	5	0	3	4	1	8	11	7	4	9
Lamoni	11	2	4	5	9	6	9	9	4	1	6	6	2	3	2	0	1	2	1	2	7	1	1	2
Lenox	17	8	4	13	3	1	13	8	2	5	8	5	4	4	4	0	2	4	4	11	4	1	7	8
Mormon Trail	30	9	5	11	6	7	5	4	12	3	15	8	5	4	5	1	2	7	1	2	10	2	4	4
Mount Ayr	14	7	4	15	8	5	14	13	12	9	13	9	5	7	6	2	1	6	0	5	5	3	6	4
Murray	15	3	1	2	5	5	12	4	3	5	5	5	2	5	3	0	2	3	2	3	2	2	2	2
New Market	12	2	2	7	5	4	9	5	1	2	4	5	2	5	3	0	0	4	0	2	6	0	2	7
Orient-Macksburg	21	13	7	3	7	6	13	6	5	7	10	3	0	5	5	0	6	4	2	2	6	1	3	7
Prescott	10	5	1	3	1	1	7	4	1	1	5	6	2	4	2	0	0	3	0	1	2	1	0	3
Red Oak	39	15	28	40	28	24	27	22	15	10	20	12	11	10	8	3	6	10	4	14	25	1	11	11
Stanton	11	5	1	2	1	4	3	6	1	1	1	2	2	1	2	1	0	0	2	2	2	1	1	3
Villisca	20	8	8	10	4	10	16	14	4	6	8	13	4	3	4	3	4	6	4	7	9	1	5	2
Totals	482	191	166	250	219	173	298	215	152	118	216	145	73	106	100	26	69	102	45	132	155	45	88	120
Grand Totals for each Cluster	839			642			665			479			279			197			332			253		

* 1st,2nd,3rd listed under each occupational cluster indicates the students' 1st,2nd or 3rd choice by each cluster.

TABLE I
Area XIV Career Education Needs Assessment Study
Area XIV 10th & 11th Grade
Occupational Cluster Inventory
(Continued)

	Health			General			Scientific			Transportation		
	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
Bedford	11	16	11	12	24	19	2	2	7	4	5	22
Bridgewater-Fontanelle	4	7	6	17	11	7	1	1	3	8	13	12
Central Decatur	17	16	7	15	16	24	6	5	5	14	14	21
Clarke Comm.	16	16	15	34	15	37	9	7	9	25	13	23
Clearfield	2	4	2	6	3	7	1	1	3	4	7	9
Corning	17	10	5	25	19	19	3	8	16	9	12	11
Creston	39	23	20	75	55	48	10	21	27	30	34	35
Diagonal	7	6	3	2	1	7	1	0	1	7	4	3
East Union	7	12	2	14	14	19	3	5	5	6	9	24
Grand Valley	1	3	3	7	7	7	1	0	2	6	4	7
Greenfield	10	12	5	19	30	24	1	6	5	15	17	16
Lamoni	8	9	6	17	8	6	3	3	4	7	6	9
Lenox	5	3	3	5	10	11	2	2	7	5	6	16
Mormon Trail	9	6	1	7	18	10	3	6	5	10	6	13
Mount Ayr	9	6	8	19	10	7	5	4	4	7	8	10
Murray	6	5	6	5	5	6	0	5	1	3	8	15
New Market	6	1	0	3	9	1	1	3	7	2	5	3
Orient-Macksburg	6	2	6	20	13	12	1	2	3	10	12	16
Prescott	3	2	1	0	7	9	0	0	1	9	7	2
Red Oak	24	14	13	41	41	33	17	23	9	33	23	25
Stanton	5	2	4	6	5	3	0	1	1	2	8	7
Villisca	4	1	6	12	20	11	3	5	2	7	8	9
Totals	216	176	133	361	341	327	73	110	127	223	229	308
Grand Totals for each Cluster	525			1,029			310			760		

*Note by the totals, that the clusters in popular order are: General Service; Ag. & Conservation; Transportation Related; Business & Office; Media, Art & Entertainment; Health; Construction; Sales; Scientific; Maintenance & Repair; Food Service & Lodging; and Manufacturing.

TABLE XI
Area XIV Career Education Needs Assessment Study
Future Plans of Area XIV 10th and 11th Graders

												Program[3]			Travel[4]				Classes[5]		Training[6]		
	Vocational[1]	College[2]	Homemaker	Fulltime Emp.	Military	No Plans	Apprenticeship	2 year school	4 year school	Private School	Yes	No	NOR*	1-10	11-20	21-30	over 30	Night	Summer	Summer	Regular school	Both Summer & regular school
Bedford	53	40	5	21	4	38	1	20	25	6	68	35	21	23	27	26	12	43	36	24	38	33
Bridgewater-Fontanelle	54	29	5	10	4	11	1	20	9	5	51	11	4	8	33	15	5	37	24	3	34	26
Central Decatur	87	43	4	24	5	17	2	25	27	12	96	16	6	24	33	22	26	41	54	26	59	29
Clarke Comm.	142	66	8	38	11	32	7	38	44	16	136	38	18	54	34	45	27	68	81	42	83	45
Clearfield	20	19	1	6	2	6	0	12	5	1	26	4	3	3	13	12	4	16	11	5	22	3
Corning	87	61	0	23	1	19	3	34	46	12	106	27	7	28	37	44	15	46	71	37	52	36
Creston	226	148	8	50	13	62	2	105	85	16	249	76	19	141	94	23	25	157	124	80	151	71
Diagonal	32	20	0	3	1	12	0	10	10	0	34	2	0	1	26	9	0	18	14	10	4	20
East Union	51	24	3	12	9	25	0	18	17	5	55	25	12	28	37	11	5	50	32	22	44	15
Grand Valley	31	16	3	7	3	8	0	8	8	4	28	11	2	9	14	10	7	20	19	12	17	11
Greenfield	83	37	8	35	4	15	1	22	33	8	97	26	4	25	26	46	18	45	51	13	55	52
Lamoni	37	28	1	8	0	7	1	5	40	3	47	13	5	30	10	10	9	18	32	21	25	17
Lenox	58	37	0	16	1	16	2	16	19	1	64	6	3	9	33	22	5	37	30	26	23	21
Mormon Trail	65	23	2	12	1	27	1	18	17	6	73	7	5	13	29	33	7	37	35	17	47	20
Mount Ayr	65	47	3	20	4	20	0	15	40	6	65	35	10	28	31	28	9	44	45	31	53	18
Murray	38	21	4	9	3	11	0	19	7	1	40	9	5	10	14	13	12	21	28	10	26	12
New Market	25	11	0	8	3	11	0	9	8	4	32	10	3	16	9	6	8	11	25	19	14	9
Orient-Macksburg	67	40	3	23	5	14	3	14	10	10	57	17	9	7	39	22	3	49	32	17	36	24
Prescott	36	30	1	4	0	13	1	16	0	2	30	2	5	1	21	14	0	2	2	3	29	3
Red Oak	157	111	9	34	10	49	3	33	83	15	165	42	36	50	53	49	43	98	87	33	96	81
Stanton	26	15	2	4	0	7	1	12	4	5	28	6	2	5	13	6	7	11	19	11	13	10
Villisca	61	39	1	8	6	18	2	22	30	3	61	24	4	11	23	25	14	21	43	27	24	23
TOTALS	1,501	905	71	375	90	438	31	491	367	225	1608	442	183	524	649	491	261	890	895	489	945	579

*NOR - No Response

[1] Students expressing interest in vocational courses on secondary level
[2] Students expressing interest in advanced placement college level courses on secondary level
[3] Students who would attend a career exploratory or preparatory program
[4] How far would students drive to these exploratory or preparatory programs at their own expense
[5] Students interested in night or summer classes
[6] Students interested in on-the-job training programs

TABLE III
Area XIV Career Education Needs Assessment Study
Bridgewater-Fontanelle Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

- General, livestock, or crop farmer (6)
- Farm manager (2)
- Feed mill elevator operator (1)
- Animal husbandryman (1)
- Forester (3)
- Horticulturist or florist (1)
- Wildlife gamekeeper (1)
- Conservation officer (3)
- Veterinarian (1)

B. Media, Art, and Entertainment Occupations

- Photographic assistant (1)
- Fashion or photographer's model (2)
- Professional musician or singer (1)
- Professional athlete (1)

C. Business and Office Occupations

- Cashier (1)
- Receptionist (1)
- General secretary (2)
- Legal secretary (1)
- Medical secretary (1)
- Key-punch operator (1)

D. Construction Occupations

- Construction worker (3)
- Earth moving equipment operator (4)
- Electrician or lineman (1)
- Architect (1)

E. Maintenance and Repair Occupations

- Maintenance and repair worker (1)
- Air conditioning or refrigeration mechanic (1)
- Electric motor repairman (1)
- Electronics mechanic or technician (2)
- Radio or TV serviceman (1)
- Repair welder (2)

F. Manufacturing Occupations

- Cutting torch operator (1)

G. Sales Occupations

- Industrial sales manager (1)
- Home furnishings salesperson (1)
- Sporting goods salesperson (2)

TABLE III (Cont.)
Area XIV Career Education Needs Assessment Study
Bridgewater-Fontanelle Community School
10th Grade Career Interests

H. Food Service & Lodging Occupations

Meat cutter or butcher (1)
Waiter or waitress (4)
Hotel or motel manager (1)

I. Health Occupations

Dental assistant or technician (1)
Ambulance attendant (2)
General nurse (1)
Licensed practical nurse (1)
Registered professional nurse (1)
Physical therapist (1)
Dietician (1)

J. General Service Occupations

Homemaker (2)
Child care attendant (3)
Elementary school teacher (1)
Secondary school teacher (2)
Special education teacher (1)
School teacher's aid (1)
Temporary military serviceman or woman (1)
Policeman, policewoman, or highway patrolman (1)
Fireman (2)
Cosmetologist or beautician (2)
Interior designer or decorator (2)
Coach (1)

K. Scientific Occupations

Biologist (1)
Economist (1)
Industrial engineer (1)
Oceanographer (1)
Pharmacist (1)

I. Transportation Related Occupations

General mechanic (5)
Automobile garage mechanic (2)
Automobile body and fender repairman (3)
Automobile salesman (1)
Diesel mechanic (1)
Airline Stewardess (5)
Motorcycle repairman (1)
Tractor-trailer truck driver (4)

TABLE III (Cont.)
Area XIV Career Education Needs Assessment Study
Bridgewater-Fontanelle Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

- General, livestock, or crop farmer (4)
- Farm Manager (2)
- Farm equipment mechanic (1)
- Animal husbandryman (1)
- Wildlife gamekeeper (2)
- Veterinary assistant or technician (2)

B. Media, Art, and Entertainment Occupations

- Author or writer (1)
- Photographer (2)
- Fashion or photographer's model (1)
- Fashion designer (1)
- Illustrator or layout man (1)

C. Business and Office Occupations

- Business and office worker (1)
- Bookkeeper (1)
- Clerk-typist (1)
- Receptionist (1)
- Medical secretary (1)
- Stenographer (1)
- Public relations specialist (1)

D. Construction Occupations

- Carpenter (1)
- Earth moving equipment operator (2)
- Plumber or pipefitter (1)

E. Maintenance and Repair Occupations

- Maintenance and repair worker (1)
- Radio or TV serviceman (1)

F. Manufacturing Occupations

- Woodworking machine operator

G. Sales Occupations

- Clothes and accessories salesperson (2)
- Fabric and sewing supplies salesperson (1)
- Home furnishings salesperson (1)
- Sproting goods salesperson (1)

H. Food Service & Lodging Occupations

- Housekeeper (1)

TABLE III (Cont.)
Area XIV Career Education Needs Assessment Study
Bridgewater-Fontanelle Community School
11th Grade Career Interests
(Cont.)

I. Health Occupations

Dental assistant or technician (1)
Dental hygienist (1)
Nurse's aid (2)
General nurse (1)
Registered professional nurse (1)
Dietician (1)
Psychologist (1)

J. General Service Occupations

Community or social services worker (1)
Social services director (2)
Homemaker (1)
Child care attendant (3)
Elementary school teacher (2)
Secondary school teacher (1)
Librarian (1)
Lawyer, attorney, or judge (1)
Court reporter (1)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (5)
Interior designer or decorator (1)
Carpet and linoleum layer (1)

K. Scientific Occupations

Biologist (1)

L. Transportation Related Occupations

Automobile garage mechanic (3)
Automobile body and fender repairman (1)
Airline stewardess (5)
Motorcycle repairman (2)

TABLE IV

Area XIV Career Education Needs Assessment Study
New Market Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (1)
Farm Manager (2)
Park Ranger or Foreman (1)
Wildlife gamekeeper (2)
Conservation officer (1)
Veterinarian (1)

B. Media, Art, and Entertainment Occupations

Author or Writer (1)
Photographer (1)
Fashion Designer (3)
Artist (1)
Actress or Actor (1)
Drama Coach or director (1)
Radio or T.V. equipment operator (1)

C. Business & Office Occupations

Business Manager (1)
Bookkeeper (2)
General Secretary (3)
Legal Secretary (2)
Survey Worker (1)

D. Construction Occupations

Construction worker (2)
Carpenter (2)
Earth Moving equipment operator (1)
Architect (1)

E. Maintenance & Repair Occupations

Maintenance & Repair worker (1)
Repair Welder (1)

F. Manufacturing Occupations

Factory worker (1)
Stamp or punch press operator (1)
Cutting torch operator (1)

G. Sales Occupations

General Sales worker (1)
Clothes and accessories salesperson (3)
Fabric and sewing supplies salesperson (1)

TABLE IV (Cont.)
Area XIV Career Education Needs Assessment Study
New Market Community School
10th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Cook or baker (1)
Meat cutter or butcher (1)
Food Technologist (1)
Restaurant hostess (1)
Waiter or waitress (1)
Housekeeper (1)

I. Health Occupations

Medical doctor, physician, or surgeon (1)
Licensed practical nurse (1)

J. General Service Occupations

Elementary school teacher (1)
School teacher's aid (1)
Lawyer, attorney, or judge (1)
Military officer or career serviceman (1)
Coach (1)

K. Scientific Occupations

Biologist (1)
Pharmacist (1)
Political scientist (1)
Zoologist (2)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (1)
Airline Stewardess (2)
Airline reservationist (1)
Ground control operations specialist (1)

TABLE IV (Cont.)
Area XIV Career Education Needs Assessment Study
New Market Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (3)
Farm manager (1)
Forester (1)
Wildlife gamekeeper (1)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Professional musician or singer (2)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (1)
Clerk-typist (1)
General secretary (1)
Medical secretary (2)

D. Construction Occupations

Earth moving equipment operator (2)
Electrician or lineman (2)
Construction welder (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Electronics mechanic or technician (1)
Gas or electric appliance serviceman (1)
Repair Welder (2)

F. Manufacturing Occupations

none

G. Sales Occupations

General sales worker (1)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

H. Food Service & Lodging Occupations

Kitchen helper (1)
Waiter or waitress (2)

TABLE IV (Cont.)
Area XIV Career Education Needs Assessment Study
New Market Community School
11th Grade Career Interests
(Cont.)

I. Health Occupations

Physician's assistant (1)
Osteopath (1)
General nurse (1)
Registered professional nurse (2)

J. General Service Occupations

Community or social services worker (1)
Homemaker (2)
Elementary school teacher (1)
Librarian (1)
Policeman, policewoman, or highway patrolman (1)
Interior designer or decorator (1)

K. Scientific Occupations

Scientist or engineer (1)
Biologist (3)
Mechanical engineer (1)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (4)
Tractor-trailer truck driver (1)

TABLE V
Area XIV Career Education Needs Assessment Study
Murray Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (1)
Farm manager (3)
Feed mill elevator operator (1)
Horticulturist or florist (3)
Veterinarian (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Author or writer (1)
Photographer (2)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (1)
Clerk-typist (1)
General Office clerk (1)
General secretary (5)
Legal secretary (1)
Public relations specialist (1)

D. Construction Occupations

Construction worker (1)
Carpenter (1)
Earth moving equipment operator (1)
Electrician or lineman (1)

E. Maintenance and Repair occupations

Maintenance and repair worker (1)
Maintenance electrician (1)
Repair welder (1)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

General sales worker (1)
Buyer or merchandiser (1)
Sales or grocery store checker or cashier (1)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

TABLE V (Cont.)
Murray Community School
10th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Cook or baker (1)
Restaurant manager (1)
Waiter or waitress (1)

I. Health Occupations

Hospital or health worker (1)
Medical doctor, physician, or surgeon (1)
Nurse's aid (2)
General nurse (1)
Optical assistant (1)
Physiologist (1)
Psychologist (1)

J. General Service Occupations

Homemaker (1)
Home economist (1)
Secondary school teacher (1)
Lawyer, attorney, or judge (1)
Policeman, policewoman, or highway patrolman (1)
Barber (1)
Speech clinician (1)

K. Scientific Occupations

Mechanical engineer (1)
Sociologist (1)

L. Transportation Related Occupations

General mechanic (2)
Service station attendant (2)
Automobile garage mechanic (2)
Airline stewardess (4)
Airline reservationist (1)
Airplane pilot (1)
Light-truck driver (1)
Tractor-trailer truck driver (2)

TABLE V (Cont.)
Area XIV Career Education Needs Assessment Study
Murray Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (4)
Farm manager (1)
Feed mill elevator operator (1)
Farm equipment mechanic (2)
Farm machinery set-up man (1)
Animal husbandryman (1)
Conservation officer (1)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Photographer (1)
Fashion or photographer's model (1)
Fashion designer (1)
Radio or TV control room technician (1)
Radio or TV reporter (1)

C. Business and Office Occupations

Banker (1)
Cashier (1)
Receptionist (3)
General secretary (2)
Stenographer (1)
Computer programmer (1)

D. Construction Occupations

Building inspector (1)
Earth moving equipment operator (5)
Sheet metal woker (1)
Architect (2)
Architectural draftsman (1)

E. Maintenance and repair occupations

Maintenance and repair worker (2)
Industrial maintenance mechanic (1)
Radio or TV serviceman (1)
Repair welder (1)

F. Manufacturing Occupations

Mechanical draftsman (1)
Electric arc welder (2)

TABLE V (Cont.)
Murray Community School
11th Grade Career Interests
(Cont.)

G. Sales Occupations

General sales worker (1)

H. Food Service and Lodging Occupations

Caterer (1)
Cook or baker (1)
Waiter or waitress (1)

I. Health Occupations

Nurse's aid (1)
Registered professional nurse (1)
Physical therapist (1)
Mental health technician (1)
Psychiatrist (1)
Psychologist (1)

J. General Service Occupations

Recreation director (1)
Elementary school teacher (1)
Special education teacher (2)
Lawyer, attorney, or judge (1)
Temporary military serviceman or woman (1)
Policeman, policewoman, or highway partolman (1)
Cosmetologist or beautician (1)
Clothing maintenance specialist (1)
Building and safety inspector (1)
Speech clinician (2)

K. Scientific Occupations

Scientist or engineer (1)
Anthropologist (1)
Mathematician (1)
Sociologist (1)

L.. Transportation Related Occupations

General mechanic (2)
Diesel mechanic (2)
Airline stewardess (2)
Airline reservationist (3)
Ground control operations specialist (1)
Motorcycle repairman (2)
Tractor-trailer truck driver (2)

TABLE VI
Area XIV Career Education Needs Assessment Study
Mount Ayr Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (5)
Farm manager (1)
Animal husbandryman (1)
Wildlife gamekeeper (2)
Veterinarian (3)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Author or writer (3)
Photographer (1)
Artist (2)
Dancer or performer (1)
Professional athlete (1)

C. Business and Office Occupations

Banker (2)
Cashier (1)
Accounting technician (2)
Certified public accountant (1)
Bookkeeper (1)
Clerk-typist (1)
Receptionist (2)
General secretary (2)
Legal secretary (2)
Computer programmer (2)
Office machine operator (1)

D. Construction Occupations

Construction worker (2)
Carpenter (4)
Painter (1)
Bricklayer or mason (2)
Earth moving equipment operator (2)
Sheet metal worker (2)
Construction welder (1)
Architect (1)
Architectural draftsman (1)

TABLE VI (Cont.)
Mount Ayr Community School
10th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Electronics mechanic or technician (1)
Maintenance electrician (1)
Repair welder (2)

F. Manufacturing Occupations

Factory worker (3)
Combination arc and gas welder (2)
Oxyacetylene welder (1)
Cutting torch operator (1)

G. Sales Occupations

Retail store manager (2)
Supermarket department head (1)
Sporting goods salesperson (3)
Ag. sales & business (1)

H. Food Service and Lodging Occupations

Kitchen helper (1)
Kitchen supervisor (1)
Restaurant manager (1)
Waiter or waitress (3)
Housekeeper (1)

I. Health Occupations

Hospital or health worker (1)
Dental hygienist (1)
Medical doctor, physician, or surgeon (1)
Medical laboratory technician or assistant (1)
Licensed practical nurse (3)
Physical therapist (2)
Mental health technician (1)
Psychologist (1)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (1)
Homemaker (1)
Home economist (1)
Child care attendant (3)
Elementary school teahcer (3)
Secondary school teacher (3)
Special education teacher (1)

TABLE VI (Cont.)
Mount Ayr Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations

- Lawyer, attorney, or judge (2)
- Barber (2)
- Bartender (1)
- Funeral director or undertaker (1)
- P.E. Instructor (1)
- Teacher of Deaf Children (1)

K. Scientific Occupations

- Biologist (1)
- Chemist (2)
- Mechanical engineer (1)
- Jeweler (1)
- Pharmacist (1)
- Political scientist (1)

L. Transportation Related Occupations

- General mechanic (2)
- Automobile garage mechanic (2)
- Automobile salesman (1)
- Airline stewardess (5)
- Tractor-trailer truck driver (4)

TABLE VI (Cont.)
Area XIV Career Education Needs Assessment Study
Mount Ayr Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (3)
Farm manager (1)
Farm machinery set-up man (1)
Forester (2)
Conservation officer (1)
Veterinarian (1)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Photographer (1)
Fashion designer (1)
Sign painter (1)
Artist (1)
Drama coach or director (1)
Professional musician or singer (3)
Music teacher (2)

C. Business and Office Occupations

Business Manager (1)
Certified public accountant (1)
Bookkeeper (2)
Receptionist (4)
General secretary (2)
Stenographer (1)
Computer programmer (2)
Office supervisor (1)
Public relations specialist (2)
Accountant (2)

D. Construction Occupations

Construction worker (3)
Carpenter (1)
Earth moving equipment operator (3)
Electrician or lineman (1)
Construction welder (2)
Architect (1)

E. Maintenance and Repair Occupations

Industrial maintenance mechanic (1)
Electronics mechanic or technician (2)
Radio or TV serviceman (1)
Gas or electric appliance serviceman (1)

TABLE VI (Cont.)
Mount Ayr Community School
11th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Electrical or electronics technician (1)
Forklift truck operator (1)

G. Sales Occupations

General sales worker (2)

H. Food Service and Lodging Occupations

Cook or baker (1)
Meat cutter or butcher (1)
Hotel or motel manager (1)

I. Health Occupations

Nurse's aid (2)
Licensed practical nurse (3)
Registered professional nurse (1)
Physical therapist (1)

J. General Service Occupations

Church or religious worker (1)
Homemaker (3)
Child care attendant (2)
Recreation director (1)
Elementary school teacher (2)
Secondary school teacher (2)
Military officer or career serviceman (2)
Cosmetologist or beautician (1)
Art teacher (1)

K. Scientific Occupations

Electrical engineer (3)
Mathematician (1)
Oceanographer (1)

L. Transportation Related Occupations

General mechanic (1)
Aircraft and engine mechanic (1)
Airline stewardess (6)
Tractor-trailer truck driver (2)

TABLE VII

Area XIV Career Education Needs Assessment Study
Lamoni Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
General, livestock, or crop farmer (2)
Forester (2)
Park ranger or foreman (2)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Author or writer (1)
Photographer (2)
Fashion or photographer's model (1)
Fashion designer (2)
Actress or actor (2)
Professional musician or singer (1)
Professional athlete (2)
Radio or TV control room technician (1)

C. Business and Office Occupations

Business and office worker (2)
Business administrator (2)
Cashier (1)
Certified public accountant (1)
Bookkeeper (1)
Receptionist (2)
Stenographer (1)
Computer programmer (1)
Accountant (1)

D. Construction Occupations

Construction worker (1)
Carpenter (1)
Building contractor (1)
Earth moving equipment operator (1)
Sheet metal worker (1)
Architect (2)
Architectural draftsman (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Repair welder (2)

TABLE VII (Cont.)
Lamoni Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Mechanical draftsman (1)
Leatherworker (1)

G. Sales Occupations

Buyer or merchandiser (1)
Hardware salesperson (1)

H. Food Service and Lodging Occupations

Cook or baker (1)

I. Health Occupations

Hospital or health worker (2)
Dental assistant or tehcnician (1)
Dental hygienist (1)
Medical doctor, physician, or surgeon (1)
Osteopath (1)
Orthodontist (2)
Medical laboratory technician or assistant (1)
Physical therapist (1)
Dietician (1)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (1)
Homemaker (1)
Child care attendant (2)
Recreation director (1)
Special education teacher (2)
Foreign language interpreter (1)
Lawyer, attorney, or judge (5)
Military officer or career serviceman (1)
Cosmetologist or beautician (1)
Interior designer or decorator (2)
Director of Orphanage (1)

K. Scientific Occupations

Mathematician (1)
Oceanographer (1)
Zoologist (1)

TABLE VII (Cont.)
Lamoni Community School
10th Grade Career Interests
(Cont.)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (2)
Airline stewardess (8)
Airline reservationist (1)
Airplane pilot (3)
Tractor-trailer truck driver (3)

TABLE VII (Cont.)

Area XIV Career Education Needs Assessment Study
Lamoni Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (1)
Forester (1)
Park ranger or foreman (2)
Wildlife gamekeeper (2)
Veterinarian (1)

B. Media, Art, and Entertainment Occupations

Author or writer (2)
Photographer (3)
Fashion designer (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (2)
Finanace expert (1)
Certified public accountant (1)
Receptionist (1)
General secretary (2)
Key-punch operator (1)
Computer systems analyst (1)

D. Construction Occupations

Earth moving equipment operator (1)
Architect (3)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Industrial maintenance mechanic (1)

F. Manufacturing Occupations

NONE

G. Sales Occupations

Retail Store manager (1)
Clothes and accessories salesperson (2)
Bond Salesman (1)

TABLE VII (Cont.)
Lamoni Community School
11th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Restaurant manager (1)
Waiter or waitress (1)

I. Health Occupations

Dentist (2)
Medical doctor, physician, or surgeon (2)
Nuclear medical technologist (1)
General nurse (3)
Psychiatrist (2)

J. General Service Occupations

Community or social services worker (2)
Home furnishings assistant (1)
Child care attendant (1)
School counselor (1)
Diplomat or foreign service worker (1)
Lawyer, attorney, or judge (2)
Court reporter (1)
Cosmetologist or beautician (1)
Bartender (1)
Interior designer or decorator (1)

K. Scientific Occupations

Bacteriologist (1)
Aeronautical engineer (1)
Geologist (1)
Oceanographer (2)
Historian (1)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (1)
Automobile parts counterman (1)
Airline stewardess (1)
Airplane pilot (1)

TABLE VIII
Area XIV Career Education Needs Assessment Study
Lenox Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (6)
Farm manager (2)
Forester (3)
Wildlife gamekeeper (2)
Exterminator (1)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Author or writer (1)
Photographer (1)
Fashion or photographer's model (1)
Illustrator or layout man (1)
Artist (2)
Floral designer (1)
Professional athlete (1)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (1)
Teller (1)
Cashier (5)
Receptionist (5)
General secretary (5)
Computer programmer (1)

D. Construction Occupations

Carpenter (6)
Earth moving equipment operator (2)
Construction welder (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (1)
Radio or TV serviceman (1)
Gas or electric appliance serviceman (1)
Repair welder (2)

F. Manufacturing Occupations

Factory worker (1)
Mechanical draftsman (1)

TABLE VIII (Cont.)
Lenox Community School
10th Grade Career Interests
(Cont.)

G. Sales Occupations

General sales worker (3)
Industrial sales manager (2)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (3)
Sporting goods salesperson (1)
Insurance salesman (1)
Motorcycle sales (1)

H. Food Service and Lodging Occupations

Cook or baker (4)
Kitchen helper (1)
Restaurant hostess (3)
Restaurant manager (1)
Waiter or waitress (2)
Housekeeper (1)

I. Health Occupations

Dental hygienist (1)
Physician's assistant (2)
Licensed practical nurse (1)
Physical therapist (2)
Home health aid (1)

J. General Service Occupations

Community or social services worker (1)
Church or religious worker (1)
Homemaker (5)
Child care attendant (2)
Secondary school teacher (2)
Librarian (2)
Interviewer (1)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (3)
Interior designer or decorator (1)
Upholsterer (1)

K. Scientific Occupations

Scientist or engineer (2)
Astronomer (1)
Biologist (1)
Mathematician (1)
Zoologist (1)

TABLE VIII (Cont.)
Lenox Community School
10th Grade Career Interests
(Cont.)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (1)
Diesel mechanic (1)
Hydraulic or fluid power mechanic (1)
Airline stewardess (2)
Airplane pilot (4)
Small gas engine repairman (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (2)

TABLE VIII (Cont.)
Area XIV Career Education Needs Assessment Study
Lenox Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (2)
General, livestock, or crop farmer (8)
Forester (1)
Park ranger or foreman (1)
Wildlife gamekeeper (1)

B. Media, Art, and Entertainment Occupations

Photographer (2)
Fashion or photographer's model (1)
Fashion designer (1)
Artist (2)
Radio or TV announcer (1)
Radio or TV reporter (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (2)
Cashier (1)
Medical secretary (1)
Personnel director (1)

D. Construction Occupations

Construction worker (2)
Carpenter (3)
Cost estimator (1)
Electrician or lineman (1)
Architectural draftsman (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Air conditioning or refrigeration mechanic (1)
Repair welder (2)

F. Manufacturing Occupations

Woodworking machine operator (1)
Engineering technician (1)
Electric arc welder (1)

TABLE VIII (Cont.)
Lenox Community School
11th Grade Career Interests
(Cont.)

G. Sales Occupations

General sales worker (1)
Retail store manager (1)
Sales or grocery store checker or cashier (2)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

H. Food Service and Lodging Occupations

Cook or baker (3)
Kitchen helper (1)
Housekeeper (1)

I. Health Occupations

Dental assistant or technician (1)
Optometrist (1)
X-ray technician (1)

J. General Service Occupations

Homemaker (1)
Home furnishings assistant (1)
Child care attendant (4)
Bartender (1)

K. Scientific Occupations

Electrical engineer (2)
Physicist (1)
Zoologist (1)

L. Transportation Related Occupations

General mechanic (4)
Diesel mechanic (1)
Airline reservationist (1)
Airline stewardess (1)
Airplane pilot (2)
Railroad trainman (1)
Motorcycle repairman (1)
Light-truck driver (3)
Tractor-trailer truck driver (1)

TABLE IX
Area XIV Career Education Needs Assessment Study
Creston Community School
10th Grade Career Interest

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (2)
General, livestock, or crop farmer (18)
Farm manager (2)
Grain and feed products salesman or buyer (2)
Farm equipment mechanic (2)
Animal husbandryman (1)
Forester (10)
Landscaper (1)
Horticulturist or florist (4)
Park ranger or foreman (5)
Wildlife gamekeeper (6)
Conservation officer (9)
Extension agent (1)
Veterinarian (6)

B. Media, Art, and Entertainment Occupations

Sound Engineer (1)
Theatre Manager (1)
Journalist (4)
Author or writer (5)
Photographer (4)
Photographic assistant (1)
Fashion or photographer's model (2)
Fashion designer (6)
Illustrator or layout man (1)
Sign painter (1)
Artist (6)
Industrial or product designer (1)
Actress or actor (1)
Dancer or performer (1)
Professional musician or singer (7)
Professional athlete (5)
Radio or TV announcer (4)
Radio or TV reporter (2)
TV Producer (1)

C. Business and Office Occupations

Business and office worker (5)
Business manager (4)
Banker (3)
Teller (1)
Cashier (2)
Account executive (1)

TABLE IX (Cont.)
Creston Community School
10th Grade Career Interests
(Cont.)

C. Business and Office Occupations (Cont.)

Accounting technician (2)
Certified public accountant (2)
Bookkeeper (2)
Clerk-typist (2)
Receptionist (14)
Switchboard operator (2)
General Secretary (9)
Legal secretary (5)
Medical secretary (3)
Stenographer (1)
Computer programmer (5)
Shipping and receiving clerk (1)
Industrial relations director (1)

D. Construction Occupations

Construction worker (5)
Carpenter (6)
Painter (1)
Bricklayer or mason (5)
Building materials dealer, salesman, or yardsman (1)
Building inspector (1)
Civil engineering technician (1)
Earth moving equipment operator (15)
Electrician or lineman (1)
Architect (5)
Architectural draftsman (5)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Industrial maintenance mechanic (2)
Electric motor repairman (1)
Electronics mechanic or technician (2)
Radio or TV serviceman (2)
Musical instrument repairman (1)
Office machine repairman (1)
Repair welder (5)

F. Manufacturing Occupations

Mechanical draftsman (5)
General machinist (2)
Machine tool set-up operator (1)
Quality control technician (1)
Cabinetmaker (1)
Engineering technician (1)

TABLE IX (Cont.)
Creston Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations (Cont.)

- Forklift truck operator (2)
- Sewing machine operator (1)
- Electric arc welder (1)

G. Sales Occupations

- General sales worker (3)
- Buyer or merchandiser (2)
- Retail store manager (3)
- Advertising assistant (2)
- Sales or grocery store checker or cashier (1)
- Clothes and accessories salesperson (5)
- Fabric and sewing supplies salesperson (2)
- Home furnishings salesperson (1)
- Sporting goods salesperson (9)
- Insurance salesman (2)
- Wholesaler (1)
- Shoe Store salesman (1)

H. Food Service and Lodging Occupations

- Cook or baker (1)
- Kitchen helper (1)
- Restaurant hostess(1)
- Restaurant manager (1)
- Waiter or waitress (4)
- Housekeeper (4)
- Hotel or motel manager (5)

I. Health Occupations

- Hospital or health worker (1)
- Dental assistant or technician (2)
- Dentist (1)
- Medical doctor, physician, or surgeon (5)
- Physician's assistant (1)
- Chiropractor (1)
- Nuclear medical technologist (1)
- Ambulance attendant (1)
- Nurse's aid (3)
- General Nurse (3)
- Licensed practical nurse (3)
- Registered professional nurse (7)
- Operating room technician (2)
- Physical therapist (6)
- Optometrist (3)
- Psychiatrist (2)
- Psychologist (1)
- X-ray technician (2)

TABLE IX (Cont.)
Creston Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations

- Community or social services worker (2)
- Homemaker (6)
- Home economist (3)
- Child Care attendant (3)
- Recreation director (4)
- Elementary school teacher (10)
- Secondary school teacher (6)
- Special education teacher (1)
- School counselor (5)
- College instructor (1)
- Librarian (1)
- Interviewer (3)
- Foreign language interpreter (1)
- Government official (1)
- Lawyer, attorney, or judge (3)
- Court reporter (1)
- Military officer or career serviceman (4)
- Policeman, policewoman, or highway patrolman (11)
- Fireman (2)
- Mail carrier or post office worker (1)
- Cosmetologist or beautician (8)
- Bartender (2)
- Clothing maintenance specialist (1)
- Fashion coordinator (1)
- Interior designer or decorator (3)
- Upholsterer (1)
- Janitor (1)
- Coach (1)
- Music teacher (1)

K. Scientific Occupations

- Scientist or engineer (4)
- Archaeologist (1)
- Anthropologist (1)
- Astronomer (1)
- Bacteriologist (1)
- Biologist (4)
- Economist (1)
- Industrial engineer (1)
- Meteorologist (1)
- Mathematician (2)
- Oceanographer (2)
- Pharmacist (4)
- Historian (1)
- Research analyst (1)
- Zoologist (7)

TABLE IX (Cont.)
Creston Community School
10th Grade Career Interests
(Cont.)

L. Transportation Related Occupations

General mechanic (8)
Service station attendant (1)
Automobile garage mechanic (11)
Automobile body and fender repairman (1)
Aircraft and engine mechanic (2)
Airline stewardess (10)
Airline reservationist (2)
Airplane pilot (6)
Railroad trainman (2)
Small gas engine repairman (1)
Motorcycle repairman (5)
Bicycle repairman (1)
Light-truck driver (2)
Tractor-trailer truck driver (17)

TABLE IX (Cont.)
Area XIV Career Education Needs Assessment Study
Creston Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (7)
Farm manager (3)
Farm equipment mechanic (2)
Forester (2)
Groundskeeper (1)
Park ranger or foreman (5)
Wildlife gamekeeper (3)
Conservation officer (6)
Soil conservation aid (2)
Extension agent (1)
Veterinarian (3)

B. Media, Art, and Entertainment Occupations

Journalist (6)
Photographer (2)
Fashion or photographer's model (2)
Fashion designer (5)
Illustrator or layout man (1)
Artist (4)
Actress or actor (1)
Dancer or performer (1)
Professional musician or singer (5)
Professional athlete (4)
Radio or TV announcer (4)
Radio or TV control room technician (1)
Radio or TV reporter (1)
Commercial artist (1)

C. Business and Office Occupations

Business and office worker (3)
Business administrator (1)
Business manager (5)
Teller (2)
Cashier (2)
Account executive (4)
Finance expert (1)
Certified public accountant (1)
Bookkeeper (2)
Clerk-typist (4)
General office clerk (1)
Receptionist (5)
Swithboard operator (1)
General secretary (7)
Legal secreatry (2)
Medical secretary (1)

TABLE IX (Cont.)
Creston Community School
11th Grade Career Interests
(Cont.)

C. Business and Office Occupations (Cont.)

- Key-punch operator (1)
- Computer programmer (8)
- Personnel director (1)

D. Construction Occupations

- Construction worker (7)
- Carpenter (3)
- Bricklayer or mason (2)
- Earth moving equipment operator (1)
- Electrician or lineman (3)
- Construction welder (4)
- Architect (1)
- Architectural draftsman (2)
- Roofer (1)

E. Maintenance and Repair Occupations

- Maintenance and repair worker (1)
- Air conditioing or refrigeration mechanic (1)
- Building maintenance man (1)
- Electronics mechanic or technician (2)
- Radio or TV serviceman (1)
- Maintenance electrician (1)

F. Manufacturing Occupations

- Factory worker (3)
- Foundry molding machine operator (1)
- Mechanical draftsman (2)
- Tool and die maker (2)
- General machinist (4)
- Industrial safety technician (1)
- Cabinetmaker (1)
- Woodworking machine operator (2)
- Electrical or electronics technician (2)
- Leatherworker (1)
- Sewing machine operator (1)
- Oxyacetylene welder (1)

G. Sales Occupations

- General sales worker (3)
- Sales or grocery store checker or cashier (1)
- Clothes and accessories salesperson (4)
- Fabric and sewing supplies salesperson (1)
- Sporting goods salesperson (3)
- Insurance salesman (1)
- Retail sales (1)

TABLE IX (Cont.)
Creston Community School
11th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

- Food service or lodging worker (1)
- Cook or baker (1)
- Kitchen helper (1)
- Meat cutter or butcher (1)
- Restaurant hostess (1)
- Waiter or waitress (1)
- Housekeeper (1)
- Hotel or motel manager (1)

I. Health Occupations

- Hospital or health worker (3)
- Dental assistant or technician (1)
- Dental hygienist (1)
- Medical doctor, physician, or surgeon (1)
- Medical laboratory technician or assistant (1)
- Nurse's aid (4)
- Licensed practical nurse (4)
- Registered professional nurse (3)
- Physical therapist (5)
- Mental health technician (2)
- Optometrist (1)
- Psychiatrist (1)
- Psychologist (3)
- Pathologist (1)
- X-ray technician (3)

J. General Service Occupations

- Private or public service worker (1)
- Community or social services worker (1)
- Church or religious worker (1)
- Homemaker (4)
- Home economist (3)
- Child care attendant (4)
- Recreation director (2)
- Elementary school teacher (9)
- Secondary school teacher (8)
- Special education teacher (5)
- School teacher's aid (1)
- School counselor (2)
- College instructor (1)
- Interviewer (1)
- Foreign language interpreter (2)
- Diplomat or foreign service worker (1)
- Lawyer, attorney, or judge (3)
- Court reporter (3)

TABLE IX (Cont.)
Creston Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations

Military officer or career serviceman (2)
Policeman, policewoman, or highway patrolman (8)
Fireman (1)
Mail carrier or post office worker (3)
Barber (1)
Cosmetologist or beautician (3)
Bartender (1)
Dressmaker or tailor (1)
Interior designer or decorator (2)
Urban planner (1)
Speech clinician (1)
Political scientist (1)
Probation officer (2)
Coach (1)

K. Scientific Occupations

Scientist or engineer (3)
Archaeologist (2)
Biologist (2)
Chemist (1)
Aeronautical engineer (1)
Electrical engineer (3)
Mechanical engineer (1)
Mathematician (1)
Oceanographer (2)
Pharmacist (2)
Philosopher (1)
Sociologist (1)
Zoologist (4)

L. Transportation Related Occupations

General mechanic (3)
Automobile garage mechanic (3)
Automobile body and fender repairman (2)
Automobile salesman (3)
Airline stewardess (10)
Airline reservationist (3)
Ground control operations specialist (1)
Railroad trainman (2)
Motorcycle repairman (1)
Light-truck driver (2)
Tractor-trailer truck driver (2)

TABLE X
Area XIV Career Education Needs Assessment Study
Greenfield Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock or crop farmer (9)
Farm manager (4)
Farm equipment mechanic (1)
Farm machinery set-up man (1)
Animal husbandryman (2)
Landscaper (1)
Horticulturist or florist (1)
Wildlife gamekeeper (8)
Conservation officer (1)
Exterminator (1)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Photographer (2)
Artist (3)
Floral designer (5)
Actress or actor (1)
Professional musician or singer (2)
Radio or TV announcer (1)
Radio or TV reporter (1)

C. Business and Office Occupations

Banker (1)
Bookkeeper (4)
Clerk-typist (1)
Receptionist (2)
General secretary (6)
Legal secretary (4)
Medical secretary (1)
Computer programmer (2)

D. Construction Occupations

Construction worker (2)
Civil engineering technician (1)
Earth moving equipment operator (1)
Electrician or lineman (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (1)
Radio or TV serviceman (2)
Maintenance electrician (1)
Repair welder (2)
Gunsmith (1)

TABLE X (Cont.)
Greenfield Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

- Factory worker (1)
- Forklift truck operator (1)

G. Sales Occupations

- Advertising assistant (1)
- Fabric and sewing supplies salesperson (1)
- Home furnishings salesperson (2)
- Hardware salesperson (1)

H. Food Service and Lodging Occupations

- Food service or lodging worker (1)
- Cook or baker (4)
- Kitchen helper (1)
- Meat cutter or butcher (1)
- Housekeeper (4)
- Hotel or motel manager (2)
- Resort Manager (1)

I. Health Occupations

- Dental assistant or technician (1)
- Dentist (2)
- Medical doctor, physician, or surgeon (1)
- Osteopath (1)
- Nurse's aid (1)
- Registered professional nurse (2)
- Physical therapist (2)
- X-ray technician (2)

J. General Service Occupations

- Community or social services worker (2)
- Clergyman (1)
- Homemaker (3)
- Home economist (1)
- Child care attendant (3)
- Recreation director (1)
- Elementary school teacher (2)
- Secondary school teacher (1)
- School counselor (1)
- Diplomat or foreign service worker (1)
- Temporary military serviceman or woman (1)
- Policeman, policewoman, or highway patrolman (3)
- Watchman or guard (1)
- Cosmetologist or beautician (2)
- Bartender (10)
- Dressmaker or tailor (1)
- Funeral director or undertaker (1)

TABLE X (Cont.)
Greenfield Community School
10th Grade Career Interests
(Cont.)

K. Scientific Occupations

Archaeologist (1)
Biologist (1)
Electrical engineer (1)

L. Transportation Related Occupations

General mechanic (4)
Service station attendant (1)
Automobile garage mechanic (3)
Automobile body and fender repairman (3)
Automobile painter (1)
Automobile parts counterman (1)
Automobile salesperson (2)
Diesel mechanic (2)
Aircraft and engine mechanic (1)
Airline stewardess (7)
Airline reservationist (1)
Airplane pilot (2)
Light-truck driver (3)
Tractor-trailer truck driver (3)

TABLE X (Cont.)
Area XIV Career Education Needs Assessment Study
Greenfield Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General Agriculture or conservation worker (1)
General, livestock, or crop farmer (7)
Farm manager (1)
Farm equipment mechanic (1)
Forester (2)
Horticulturist or florist (1)
Park ranger or foreman (1)
Wildlife gamekeeper (2)
Extension agent (1)
Veterinary assistant or technician (2)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Author or writer (1)
Editor (1)
Photographer (3)
Fashion or photographer's model (1)
Artist (2)
Floral designer (1)
Industrial or product designer (1)
Actress or actor (1)
Professional musician or singer (3)
Professional athlete (1)
Radio or TV announcer (2)
Song Writer (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (1)
Certified public accountant (1)
Bookkeeper (1)
Receptionist (2)
General secretary (6)
Legal secretary (1)
Stenographer (1)
Public relations specialist (1)

D. Construction Occupations

Construction worker (2)
Carpenter (1)
Painter (2)
Electrician or lineman (1)
Plumber or pipefitter (1)
Architect (1)
Architectural draftsman (1)

TABLE X (Cont.)
Greenfield Community School
11th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Electric motor repairman (2)
Electronics mechanic or technician (2)
Maintenance electrician (1)

F. Manufacturing Occupations

Factory worker (1)
Cabinetmaker (1)
Woodworking machine operator (1)
Leatherworker (1)
Cutting torch operator (1)

G. Sales Occupations

General sales worker (1)
Buyer or merchandiser (1)
Industrial sales manager (1)
Clothes and accessories salesperson (5)
Sporting goods salesperson (1)
Real estate salesman (1)

H. Food Service and Lodging Occupations

Cook or baker (2)
Restaurant manager (1)
Waiter or waitress (1)
Housekeeper (1)

I. Health Occupations

Hospital or health worker (2)
Dental assistant or technician (1)
Medical doctor, physician, or surgeon (1)
Physician's assistant (1)
Osteopath (1)
Medical laboratory technician or assistant (1)
General nurse (1)
Registered professional nurse (2)
Physical therapist (3)
Dietician (1)
X-ray technician (1)

J. General Service Occupations

Community or social services worker (3)
Homemaker (4)
Home economist (2)
Child care attendant (7)
Recreation director (1)
Elementary school teacher (5)
Secondary school teacher (2)
School counselor (1)
Lawyer, attorney, or judge (3)

TABLE X (Cont.)
Greenfield Community School
11th Grade Career Interests
(Cont.)

K. Scientific Occupations

Archaeologist (1)
Civil engineer (1)
Geologist (1)
Mathematician (1)
Sociologist (3)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (3)
Aircraft and engine mechanic (1)
Airline stewardess (5)
Airline reservationist (2)
Airplane pilot (1)
Tractor-trailer truck driver (2)

TABLE XI
Area XIV Career Education Needs Assessment Study
Corning Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (8)
Farm manager (3)
Farm implement or garden equipment salesman (1)
Animal husbandryman (3)
Forester (2)
Park ranger or foreman (5)
Wildlife gamekeeper (7)
Veterinary assistant or technician (3)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Photographer (4)
Illustrator or layout man (2)
Artist (2)
Dramatic or theater artist (2)
Drama coach or director (1)
Professional musician or singer (3)
Professional athlete (3)

C. Business and Office Occupations

Business and office worker (1)
Business manager (1)
Cashier (1)
Bookkeeper (2)
Receptionist (2)
General secretary (1)
Medical secretary (1)
Legal secretary (1)
Computer programmer (4)
Accountant (1)

D. Construction Occupations

Construction worker (3)
Carpenter (3)
Painter (1)
Bricklayer or mason (1)
Earth moving equipment operator (3)
Sheet metal worker (1)
Construction welder (3)
Architect (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Air conditioning or refrigeration mechanic (2)
Repair welder (1)

TABLE XI (Cont.)
Corning Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Cabinetmaker (1)
Electrical or electronics technician (1)
Engineering technician (1)
Combination arc and gas welder (3)

G. Sales Occupations

General sales worker (1)
Retail store manager (2)
Sales or grocery store checker or cashier (1)
Supermarket department head (1)
Clothes and accessories salesperson (1)
Sporting goods salesperson (2)
Lawn and garden supplies salesperson (1)
Building of stock cars (1)

H. Food Service and Lodging Occupations

Kitchen helper (1)
Restaurant hostess (1)
Restaurant manager (2)
Waiter or waitress (1)
Housekeeper (2)

I. Health Occupations

Dental assistant or technician (1)
Dentist (1)
General nurse (2)
Licensed practical nurse (2)
Registered professional nurse (3)
Physical therapist (1)
Mental health technician (1)
Psychologist (3)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (2)
Church or religious worker (1)
Child care attendant (2)
Recreation director (2)
Elementary school teahcer (3)
Secondary school teacher (4)

TABLE XI (Cont.)
Corning Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

School counselor (1)
Foreign language interpreter (1)
Diplomat or foreign service worker (1)
Lawyer, attorney, or judge (2)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (1)
Bartender (2)
Dressmaker or tailor (1)
Interior designer or decorator (6)
Carpet and linoleum layer (1)

K. Scientific Occupations

Archaeologist (1)
Biologist (1)
Mechanical engineer (1)
Jeweler (1)
Mathematician (2)
Oceanographer (4)
Pharmacist (1)
Philosopher (1)
Sociologist (1)
Zoologist (1)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (2)
Automobile body and fender repairman (1)
Automobile painter (1)
Automobile salesman (2)
Diesel mechanic (2)
Airline stewardess (5)
Airplane pilot (1)
Motorcycle repairman (2)
Tractor-trailer truck driver

TABLE XI (Cont.)
Area XIV Career Education Needs Assessment Study
Corning Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (7)
Farm manager (1)
Farm equipment mechanic (1)
Forester (2)
Landscaper (1)
Park ranger or foreman (2)
Wildlife gamekeeper (1)
Conservation officer (1)
Veterinarian (1)
Veterinary assistant or technician

B.. Media, Art, and Entertainment Occupations

Journalist (3)
Author or writer (1)
Printing pressman (1)
Photographer (4)
Fashion or photographer's model (1)
Fashion designer (1)
Artist (2)
Floral designer (1)
Actress or actor (2)
Dramatic or theater artist (1)
Dancer or performer (1)
Drama coach or director (1)
Professional musician or singer (1)
Radio or TV announcer (4)
Radio or TV control room technician (1)

C. Business and Office Occupations

Business and office worker (1)
Business manager (2)
Banker (1)
Cashier (2)
Certified public accountant (1)
Bookkeeper (2)
General office clerk (1)
Receptionist (3)
Switchboard operator (1)
General secretary (1)
Medical secretary (2)
Stenographer (1)
Computer programmer (1)
Computer systems analyst (1)
Office machine operator (2)

TABLE XI (Cont.)
Corning Community School
11th Grade Career Interests
(Cont.)

D. Construction Occupations

Construction Worker (4)
Carpenter (1)
Bricklayer or mason (2)
Civil engineering technician (1)
Earth moving equipment operator (2)
Architect (3)
Architectural draftsman (2)

E. Maintenance and Repair Occupations

Industrial maintenance mechanic (1)
Electric motor repairman (1)
Electronics mechanic or technician (1)
Radio or TV Serviceman (1)
Repair welder (2)

F. Manufacturing Occupations

Factory worker (1)
Tool and die maker (1)
Woodworking machine operator (1)
Electrical or electronics technician (2)

G. Sales Occupations

Buyer or merchandiser (1)
Industrial sales manager (1)
Retail store manager (3)
Advertising assistant (1)
Sales or grocery store checker or cashier (1)
Supermarket department head (1)
Clothes and accessories salesperson (2)
Fabric and sewing supplies salesperson (2)
Home furnishings salesperson (1)
Sporting goods salesperson (1)
Insurance salesman (1)
Real estate salesman (1)

H. Food Service and Lodging Occupations

Cook or baker (1)
Meat cutter or butcher (3)
Food technologist (1)
Restaurant hostess (2)

TABLE XI (Cont.)
Corning Community School
11th Grade Career Interests
(Cont.)

I. Health Occupations

Medical doctor, phisician, or surgeon (4)
Medical laboratory technician or assistant (1)
Registered professional nurse (2)
Inhalation therapist (1)
Physical therapist (1)
Physical therapy attendant (2)
Dietician (1)
Optical assistant (1)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (6)
Homemaker (3)
Child care attendant (1)
Secondary school teacher (2)
Special education teacher (1)
Lawyer, attroney, or judge (3)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (4)
Dressmaker or tailor (1)
Fashion coordinator (1)
Interior designer or decorator (1)
Speech Clinician (1)

K. Scientific Occupations

Archaeologist (1)
Bacteriologist (1)
Biologist (4)
Chemist (1)
Civil engineer (1)
Industrial engineer (1)
Mechanical engineer (1)
Mathematician (1)
Pharmacist (2)
Sociologist (1)
Zoologist (2)

L. Transportation Related Occupations

Automobile garage mechanic (1)
Automobile body and fender repairman (1)
Automobile salesman (1)
Aircraft and engine mechanic (1)
Airline stewardess (1)
Airplane pilot (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (1)
Taxi driver (1)

TABLE XII
Area XIV Career Education Needs Assessment Study
Central Decatur Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (4)
Farm Manager (2)
Farm equipment mechanic (1)
Farm machinery set-up man (1)
Animal husbandryman (2)
Forester (3)
Park ranger or foreman (3)
Wildlife gamekeeper (2)
Conservation officer (1)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Photographer (3)
Fashion designer (3)
Artist (3)
Floral designer (1)
Actress or actor (2)
Dancer or performer (1)
Professional musician or singer (5)
Radio or TV equipment operator (2)

C. Business and Office Occupations

Banker (1)
Teller (1)
Account executive (1)
Receptionist (1)
General secretary (8)
Legal secretary (1)
Computer programmer (1)

D. Construction Occupations

Construction worker (2)
Carpenter (3)
Painter (1)
Bricklayer or mason (1)
Building contractor (1)
Building inspector (1)
Construction welder (3)
Architect (1)
Architectural draftsman (3)

E. Maintenance and Repair Occupations

Air conditioning or refrigeration mechanic (1)
Electronics mechanic or technician (2)
Maintenance electrician (1)
Repair welder (2)

TABLE XII (Cont.)
Central Decatur Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

Occupation	Count
Policeman, policewoman, or highway patrolman	(1)
Mail carrier or post office worker	(2)
Cosmetologist or beautician	(2)
Bartender	(3)
Dressmaker or tailor	(1)
Fashion coordinator	(1)
P.E. teacher	(1)

K. Scientific Occupations

Occupation	Count
Archaeologist	(1)
Aeronautical engineer	(1)
Mechanical engineer	(2)
Sanitary engineer	(1)
Geologist	(1)
Mathematician	(1)
Philosopher	(1)
Zoologist	(1)

L. Transportation Related Occupations

Occupation	Count
General mechanic	(4)
Automobile garage mechanic	(7)
Automobile body and fender repairman	(4)
Diesel mechanic	(1)
Airline stewardess	(6)
Airplane pilot	(3)
Ground control operations specialist	(1)
Motorcycle repairman	(3)
Bicycle repairman	(1)
Light-truck driver	(1)
Tractor -trailer truck driver	(7)

TABLE XII (Cont.)
Central Decatur Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

- Factory worker (2)
- Mechanical draftsman (1)
- Plastics molding machine operator (1)
- Forklift truck operator (2)
- Combination arc and gas welder (1)
- Electric arc welder (2)

G. Sales Occupations

- Buyer or merchandiser (1)
- Retail store manager (1)
- Advertising assistant (1)
- Lawn and garden supplies salesperson (1)
- Insurance salesman (1)
- Real estate salesman (1)

H. Food Service and Lodging Occupations

- Kitchen helper (1)
- Restaurant hostess (1)
- Waiter or waitress (2)
- Housekeeper (1)
- Hotel or motel manager (1)

I. Health Occupations

- Dental assistant or technician (1)
- Chiropractor (2)
- Medical laboratory technician or assistant (2)
- Nurse's aid (4)
- General nurse (1)
- Licensed practical nurse (1)
- Registered professional nurse (4)
- Physical therapist (2)
- Optometrist (1)
- Psychologist (1)
- X-ray technician (1)

J. General Service Occupations

- Community or social services worker (2)
- Church or religious worker (1)
- Homemaker (1)
- Child Care attendant (1)
- Recreation director (2)
- Elementary school teacher (4)
- Secondary school teacher (2)
- School teacher's aid (1)
- School counselor (2)
- College instructor (1)
- Temporary military serviceman or woman (1)

TABLE XII (Cont.)
Area XIV Career Education Needs Assessment Study
Central Decatur Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (6)
Farm Manager (2)
Farm equipment mechanic (1)
Forester (3)
Groundskeeper (1)
Park ranger or foreman (1)
Wildlife gamekeeper (3)
Conservation officer (1)
Veterinarian (1)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Author or writer (1)
Photographer (1)
Fashion designer (1)
Artist (3)
Industrial or product designer (1)
Professional musician or singer (1)
Radio or TV announcer (3)

C. Business and Office Occupations

Business manager (1)
Teller (1)
Cashier (1)
Bookkeeper (3)
General office clerk (1)
Receptionist (1)
General secretary (6)
Medical secretary (2)
Key-punch operator (1)
Computer programmer (2)
Computer systems analyst (1)

D. Construction Occupations

Construction worker (4)
Carpenter (1)
Bricklayer or mason (1)
Building inspector (2)
Construction welder (1)
Architect (1)
Architectural draftsman (1)

TABLE XII (Cont.)
Central Decatur Community School
11th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Electronics mechanic or technician (2)
Repair Welder (1)

F. Manufacturing Occupations

Mechanical draftsman (1)

G. Sales Occupations

General sales worker (1)
Buyer or merchandiser (1)
Retail store manager (1)
Sales or grocery store checker or cashier (1)
Home furnishings salesperson (2)

H. Food Service and Lodging Occupations

Cook or baker (2)
Restaurant hostess (1)

I. Health Occupations

Dental hygienist (1)
Medical doctor, physician, or surgeon (1)
Medical laboratory technician or assistant (1)
Nurse's aid (1)
Licensed practical nurse (3)
Registered professional nurse (2)
Physical therapist (1)
Physical therapy attendant (1)
Mental health technician (1)
Home Health aid (1)
Optometrist (1)
X-ray technician (1)

J. General Service Occupations

Community or social services worker (2)
Social services director (2)
Homemaker (4)
Home economist (1)
Home furnishings assistant (1)
Child care attendant (2)
Recreation director (1)
Secondary school teacher (1)
School counselor (1)
Lawyer,attorney, or judge (1)
Military officer or career serviceman (1)
Temporary military serviceman or woman (2)
Cosmetologist or beautician (5)
Bartender (2)
Interior designer or decorator (2)

TABLE XII (Cont.)
Central Decatur Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

- Janitor (2)
- Probation Officer (1)

K. Scientific Occupations

- Biologist (1)
- Mechanical engineer (2)
- Mathematician (1)
- Philosopher (1)

L. Transportation Related Occupations

- General mechanic (2)
- Automobile garage mechanic (4)
- Automobile body and fender repairman (2)
- Diesel mechanic (1)
- Airline stewardess (3)
- Airplane pilot (1)
- Light-truck driver (1)
- Tractor-trailer truck driver (4)

TABLE XIII
Area XIV Career Education Needs Assessment Study
Mormon Trail Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (7)
Farm manager (1)
Farm implement or garden equipment salesman (1)
Farm equipment mechanic (2)
Horticulturist or florist (1)
Wildlife gamekeeper (6)
Conservation officer (4)
Soil conservation aid (1)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Author or writer (1)
Photographer (3)
Photographic assistant (1)
Fashion designer (5)
Illustrator or layout man (1)
Artist (2)
Professional musician or singer (2)
Professional athlete (1)
Band Director (1)

C. Business and Office Occupations

Business manager (1)
Banker (1)
Bookkeeper (1)
Receptionist (3)
General secretary (4)
Medical secretary (1)
Key-punch operator (2)
Computer programmer (2)
Public relations specialist (1)

D. Construction Occupations

Construction worker (1)
Carpenter (6)
Painter (1)
Earth moving equipment operator (2)
Architect (1)
Architectural draftsman (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Gas or electric appliance serviceman (2)

TABLE XIII (Cont.)
Mormon Trail Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Factory worker (1)
Mechanical draftsman (1)
Forklift truck operator (1)

G. Sales Occupations

Advertising assistant (1)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (2)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

H. Food Service and Lodging Occupations

Food service or lodging worker (1)
Cook or baker (1)
Waiter or waitress (2)
Housekeeper (2)

I. Health Occupations

Medical doctor, physician, or surgeon (1)
Medical laboratory technician or assistant (1)
Nurse's aid (4)
General nurse (1)
Licensed practical nurse (4)
X-ray technician (1)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (1)
Homemaker (1)
Home furnishings assistant (1)
Child care attendant (3)
Elementary school teacher (1)
Secondary school teahcer (2)
Special education teacher (1)
Librarian (1)
Diplomat or foreign service worker (1)
Lawyer, attorney, or judge (1)
Temporary military serviceman or woman (1)
Policeman, policewoman, or highway patrolman (5)
Cosmetologist or beautician (1)
Bartender (2)
Interior designer or decorator (3)
Auctioneer (1)
Home Economics teacher (1)

TABLE XIII (Cont.)
Mormon Trail Community School
10th Grade Career Interests
(Cont.)

K. Scientific Occupations

Archaeologist (1)
Chemist (1)
Jeweler (1)
Pharmacist (1)
Research analyst (1)
Zoologist (3)

L. Transportation Related Occupations

General mechanic (1)
Service station attendant (1)
Automobile garage mechanic (2)
Automobile body and fender repairman (3)
Airline stewardess (4)
Airplane pilot (1)
Flight engineer or navigator (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (6)

TABLE XIII (Cont.)
Area XIV Career Education Needs Assessment Study
Mormon Trail Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
General, livestock, or crop farmer (9)
Farm equipment mechanic (1)
Animal husbandryman (1)
Forester (2)
Horticulturist or florist (1)
Park ranger or foreman (1)
Conservation officer (1)
Soil conservation aid (1)
Game Warden (1)

B. Media, Art, and Entertainment Occupations

Author or writer (2)
Illustrator or layout man (1)
Sign painter (1)
Artist (1)
Actress or actor (1)
Professional musician or singer (1)

C. Business and Office Occupations

Business and office worker (1)
Receptionist (2)
Legal secretary (1)

D. Construction Occupations

Construction worker (5)
Carpenter (1)
Bricklayer or mason (1)
Earth moving equipment operator (1)
Electrician or lineman (2)
Structural steel worker (1)
Construction welder (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (6)
Maintenance of Gas Motors (1)

F. Manufacturing Occupations

Factory worker (2)
Machine tool set-up operator (1)
Forklift truck operator (1)
Leatherworker (1)
Oxyacetylene welder (1)

TABLE XIII (Cont.)
Mormon Trail Community School
11th Grade Career Interests
(Cont.)

G. Sales Occupations

Industrial sales manager (1)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (2)
Fabric and sewing supplies salesperson (1)
Motorcycle sales (1)

H. Food Service and Lodging Occupations

Cook or baker (2)
Waiter or waitress (2)

I. Health Occupations

Dental assistant or technician (2)
Orthodontist (1)
Nurse's aid (1)
Physical therapist (1)

J. General Service Occupations

Homemaker (1)
Librarian (1)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (1)
Interior designer or decorator (1)

K. Scientific Occupations

Archaeologist (1)
Bacteriologist (1)
Biologist (2)
Pharmacist (1)
Zoologist (1)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (3)
Automobile body and fender repairman (2)
Light-truck driver (1)
Tractor-trailer truck driver (4)

TABLE XIV
Area XIV Career Education Needs Assessment Study
Clearfield Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (6)
Farm manager (3)
Veterinarian (1)
Veterinary assistant or technician (2)

B. Media, Art, and Entertainment Occupations

Editor (1)
Photographer (2)
Photographic assistant (1)
Fashion designer (1)
Artist (2)
Recording engineer (1)

C. Business and Office Occupations

Loan officer (1)
Receptionist (3)
General secretary (1)
Legal secretary (4)
Medical secretary (2)

D. Construction Occupations

Earth moving equipment operator (2)

E. Maintenance and Repair Occupations

Electronics mechanic or technician (1)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

NONE

H. Food Service and Lodging Occupations

NONE

TABLE XIV (Cont.)
Clearfield Community School
10th Grade Career Interests
(Cont.)

I. Health Occupations

- Nurse's aid (1)
- Licensed practical nurse (2)
- Registered professional nurse (1)
- X-ray technician (1)

J. General Service Occupations

- Special education teacher (1)
- Lawyer, attorney, or judge (1)
- Military officer or career serviceman (1)
- Policeman, policewoman, or highway patrolmen (4)
- Fireman (1)

K. Scientific Occupations

- Archaeologist (1)
- Aeronautical engineer (1)
- Oceanographer (1)
- Philosopher (1)

L. Transportation Related Occupations

- General mechanic (3)
- Automobile garage mechanic (1)
- Automobile body and fender repairman (1)
- Diesel mechanic (3)
- Airline stewardess (1)
- Airplane pilot (1)
- Motorcycle repairman (3)
- Tractor-trailer truck driver (1)

TABLE XIV (Cont.)
Area XIV Career Education Needs Assessment Study
Clearfield Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (2)
Farm manager (1)
Animal husbandryman (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Radio or TV reporter (1)

C. Business and Office Occupations

Business administrator (1)
Key-punch operator (2)

D. Construction Occupations

Carpenter (1)
Architectural draftsman (1)

E. Maintenance and Repair Occupations

Electronics mechanic or technician (2)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

NONE

H. Food Service and Lodging Occupations

Waiter or waitress (1)

I. Health Occupations

Dental assistant or technician (2)
Registered professional nurse (1)

J. General Service Occupations

Child care attendant (3)
Secondary school teacher (1)
School teacher's aid (1)
Lawyer, attorney, or judge (1)
Temporary military serviceman or woman (1)
Interior designer or decorator (1)

TABLE XIV (Cont.)
Clearfield Community School
11th Grade Career Interests
(Cont.)

K. Scientific Occupations

- Biologist (1)

L. Transportation Related Occupations

- General mechanic (1)
- Diesel mechanic (1)
- Airline stewardess (2)
- Small gas engine repairman (1)
- Light-truck driver (1)

TABLE XV
Area XIV Career Education Needs Assessment Study
Grand Valley Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock or crop farmer (9)
Farm Manager (3)
Feed mill elevator operator (1)
Farm implement or garden equipment salesman (1)
Park ranger or foreman (1)
Veterinarian (1)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Photographer (1)
Fashion or photographer's model (1)
Artist (3)
Floral designer (1)
Dancer or performer (1)
Professional musician or singer (1)

C. Business and Office Occupations

Bookkeeper (2)
Public Relations specialist (1)

D. Construction Occupations

Construction worker (1)
Carpenter (1)
Bricklayer or mason (1)
Earth moving equipment operator (2)
Electrician or lineman (1)
Architect (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (3)
Electric motor repairman (1)
Electronics mechanic or technician (2)
Repair welder (1)

F. Manufacturing Occupations

NONE

G. Sales Occupations

Retail Store Manager (1)

TABLE XV (Cont.)
Grand Valley Community School
10th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Restaurant hostess (1)

I. Health Occupations

General Nurse (2)
Physical therapist (1)
Psychiatrist (1)

J. General Service Occupations

Homemaker (1)
Child care attendant (4)
Lawyer, attorney, or judge (1)
Temporary military serviceman or woman (1)
Policeman, Policewoman, or highway patrolman (3)
Bartender (4)

K. Scientific Occupations

Electrical engineer (1)
Pharmacist (1)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (1)
Automobile salesman (1)
Diesel mechanic (1)
Airplane pilot (1)
Railroad trainman (1)
Tractor-trailer truck driver (8)
Race Car Mechanic (1)

TABLE XV (Cont.)
Area XIV Career Education Needs Assessment Study
Grand Valley Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (1)
Farm manager (2)
Landscaper (1)
Wildlife gamekeeper (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Fashion or photographer's model (1)

C. Business and Office Occupations

General secretary (1)

D. Construction Occupations

Construction worker (2)
Earth moving equipment operator (1)
Architect (2)

E. Maintenance and Repair Occupations

Repair welder (1)

F. Manufacturing Occupations

Factory worker (1)
Cobination arc and gas welder (1)

G. Sales Occupations

Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

H. Food Service and Lodging Occupations

Waiter or waitress (1)

I. Health Occupations

Hospital or health worker (1)
Nurse's Aid (1)

J. General Service Occupations

Social services director (1)
Diplomat or foreign service worker (1)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (3)

TABLE XV (Cont.)
Grand Valley Community School
11th Grade Career Interests
(Cont.)

K. Scientific Occupations

Botanist (1)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (2)
Diesel mechanic (1)
Airline stewardess (1)
Tractor-trailer truck driver (3)

TABLE XVI
Area XIV Career Education Needs Assessment Study
Diagonal Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (2)
Farm manager (1)
Farm equipment mechanic (2)
Veterinarian (2)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Photographer (1)
Artist (1)
Radio or TV control room technician (1)

C. Business and Office Occupations

Account executive (1)
Certified public accountant (1)
Bookkeeper (1)
Receptionist (1)
General secretary (2)
Legal secretary (2)
Medical secretary (1)
Computer programmer (2)
Computer systems analyst (1)
Survey worker (1)

D. Construction Occupations

Carpenter (1)
Architect (1)

E. Maintenance and Repair Occupations

Repair welder (2)

F. Manufacturing Occupations

Combination arc and gas welder (1)
Oxyacetylene welder (1)

G. Sales Occupations

General sales worker (1)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (1)
Home furnishings salesperson (1)
Sporting goods salesperson (1)

TABLE XVI (Cont.)
Diagonal Community School
10th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Waiter or waitress (1)

I. Health Occupations

Medical doctor, physician, or surgeon (1)
Licensed practical nurse (2)
Registered professional nurse (5)
Dietician (1)
Optical assistant (1)

J. General Service Occupations

Home furnishings assistant (1)
Policeman, Policewoman, or highway patrolman (2)
Mail carrier or post office worker (2)

K. Scientific Occupations

Pharmacist (2)

L. Transportation Related Occupations

Automobile body and fender repairman (1)
Airline stewardess (3)
Light-truck driver (1)
Tractor-trailer truck driver (1)

TABLE XVI (Cont.)
Area XIV Career Education Needs Assessment Study
Diagonal Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

- General, livestock, or crop farmer (2)
- Farm manager (2)
- Feed mill elevator operator (1)
- Wildlife gamekeeper (2)
- Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

- Photographer (2)
- Fashion designer (1)

C. Business and Office Occupations

- Business manager (2)
- General secretary (2)
- Medical secretary (3)

D. Construction Occupations

- Construction worker (1)
- Carpenter (1)
- Bricklayer or mason (1)
- Earth moving equipment operator (3)

E. Maintenance and Repair Occupations

- Office machine repairman (1)

F. Manufacturing Occupations

- Factory worker (1)

G. Sales Occupations

- General sales worker (1)

H. Food Service and Lodging Occupations

- Cook or baker (1)
- Food technologist (1)
- Waiter or waitress (1)

I. Health Occupations

- Dental assistant or technician (1)
- Nurse's aid (3)

TABLE XVI (Cont.)
Diagonal Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations

- Social services director (1)
- Homemaker (1)
- Foreign language interpreter (1)

K. Scientific Occupations

- Pharmacist (1)

L. Transportation Related Occupations

- Automobile garage mechanic (1)
- Diesel mechanic (1)
- Airline stewardess (2)
- Railroad trainman (1)
- Motorcycle repairman (1)
- Tractor-trailer truck driver (1)

TABLE XVII

Area XIV Career Education Needs Assessment Study
Villisca Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
General, livestock, or crop farmer (11)
Farm manager (1)
Grain and feed products salesman or buyer (1)
Farm implement or garden equipment salesman (1)
Forester (1)
Horticulturist or florist (2)
Park ranger or foreman (1)
Wildlife gamekeeper (4)
Conservation officer (1)
Soil conservation aid (1)
Veterinarian (2)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Author or writer (1)
Typesetter (1)
Photographer (1)
Fashion or photographer's model (1)
Fashion designer (1)
Artist (3)
Professional musician or singer (1)
Professional athlete (2)
Radio or TV announcer (4)

C. Business and Office Occupations

Business administrator (1)
Business manager (1)
Account executive (1)
Accounting technician (1)
General secretary (10)
Legal Secretary (3)
Medical secretary (2)
Computer programmer (3)

D. Construction Occupations

Carpenter (3)
Briklayer or mason (1)
Civil engineering technican (2)
Earth moving equipment operator (4)
Electrician or lineman (2)
Structural steel worker (1)
Construction welder (1)
Architect (3)

TABLE XVII (Cont.)
Villisca Community School
10th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Radio or TV serviceman (1)
Maintenance electrician (1)
Repair welder (4)

F. Manufacturing Occupations

Factory worker (1)
Tool and die maker (2)
Cabinetmaker (1)
Electrical or elctronics technician (1)
Electric arc welder (1)

G. Sales Occupations

General Sales worker (1)
Retail store manager (2)
Sales or grocery store checker or cashier (2)
Clothes and accessories salesperson (1)
Fabric and sewing supplies salesperson (2)
Home furnishings salesperson (2)
Sporting goods salesperson (2)

H. Food Service and Lodging Occupations

Meat cutter or butcher (1)
Waiter or waitress (3)
Custodian (1)

I. Health Occupations

Physician's assistant (1)
Medical laboratory technician or assistant (1)
Nurse's aid (1)
General Nurse (1)
Licensed practical nurse (1)
Registered professional nurse (1)
Physical therapy attendant (1)

J. General Service Occupations

Church or religious worker (1)
Homemaker (3)
Home economist (1)
Home furnishings assistant (1)
Child care attendant (1)
Recreation director (1)
Elementary school teahcer (4)
Secondary school teacher (3)

TABLE XVII (Cont.)
Villisca Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

- School administrator (1)
- Librarian (1)
- Foreign langauage interpreter (1)
- Government official (1)
- Lawyer, attorney, or judge (1)
- Military officer or career serviceman (1)
- Temporary military serviceman or woman (1)
- Policeman, policewoman, or highway patrolman (3)
- Fireman (1)
- Bartender (2)
- Dressmaker or tailor (1)
- Interior designer or decorator (1)
- Politician (1)
- Auctioneer (1)

K. Scientific Occupations

- Scientist or engineer (2)
- Biologist (1)
- Aeronautical engineer (1)
- Chemical engineer (1)
- Electrical engineer (1)
- Mathematician (3)
- Oceanographer (1)

L. Transportation Related Occupations

- General mechanic (3)
- Automobile garage mechanic (3)
- Automobile body and fender repairman (2)
- Automobile salesman (1)
- Diesel mechanic (2)
- Airline stewardess (2)
- Airplane pilot (1)
- Tractor-trailer truck driver (3)

TABLE XVII (Cont.)
Area XIV Career Education Needs Assessment Study
Villisca Community Schools
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
Farm manager (2)
Animal husbandryman (2)
Wildlife gamekeeper (1)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Author or writer (1)
Industrial or product designer (1)
Dramatic or theater artist (1)
Professional musician or singer (2)

C. Business and Office Occupations

Business administrator (1)
Business manager (1)
Certified public accountant (2)
Bookkeeper (1)
General office clerk (1)
General secretary (2)
Computer programmer (1)
Accountant (1)

D. Construction Occupations

Construction worker (2)
Carpenter (2)
Painter (1)
Bricklayer or mason (1)
Building contractor (1)

E. Maintenance and Repair Occupations

Electronics mechanic or technician (1)
Repair welder (1)

F. Manufacturing Occupations

Factory worker (2)
Mechanical draftsman (1)
Tool and die maker (1)
Electric arc welder

G. Sales Occupations

Buyer or merchandiser (3)
Sales or grocery store checker or cashier (2)
Sporting goods salesperson (1)

TABLE XVII (Cont.)
Villisca Community School
11th Grade Career Interests
(Cont.)

H. Food Service and Lodging Occupations

Kitchen helper (1)
Meat cutter or butcher (1)
Waiter or waitress (1)

I. Health Occupations

Medical doctor, physician, or surgeon (1)
Nurse's aid (1)
Psychologist (1)

J. General Service Occupations

Elementary school teacher (2)
Special education teacher (1)
Lawyer, attorney, or judge (2)
Military officer or career serviceman (4)
Policeman, policewoman, or highway patrolman (1)
Bartender (1)
Coach (1)

K. Scientific Occupations

Nuclear Engineer (1)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (1)
Automobile body and fender repairman (1)
Automobile salesman (1)
Airplane pilot (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (1)

TABLE XVIII
Area XIV Career Education Needs Assessment Study
Stanton Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (4)
Farm manager (1)
Conservation officer (1)
Veterinarian (1)
Veterinary assistant or technician (3)

B. Media, Art, and Entertainment Occupations

Designer or entertainer (1)
Journalist (1)
Fashion designer (1)
Artist (1)
Radio or TV program director (1)

C. Business and Office Occupations

Bookkeeper (2)
Computer programmer (1)
Public relations specialist (1)

D. Construction Occupations

Carpenter (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (2)
Electronics mechanic or technician (1)
Radio or TV serviceman (1)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

General sales worker (2)
Advertising assistant (1)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)

H. Food Service and Lodging Occupations

Waiter or waitress (1)
Housekeeper (1)

I. Health Occupations

Dental assistant or technician (1)
Registered professional nurse (1)
Physical therapist (3)
Dietician (1)
X-ray technician (1)

TABLE XVIII (Cont.)
Stanton Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations

Elementary school teacher (1)
Special education teacher (1)
Policeman, policewoman, or highway partolman (1)
Cosmetologist or beautician (3)

K. Scientific Occupations

Mathematician (1)

L. Transportation Related Occupations

General mechanic (3)
Automobile garage mechanic (2)
Automobile body and fender repairman (1)
Airline stewardess (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (2)

TABLE XVIII (Cont.)
Area XIV Career Education Needs Assessment Study
Stanton Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (4)
Farm equipment mechanic (1)
Landscaper (1)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Artist (2)

C. Business and Office Occupations

Banker (1)
Cashier (1)
Bookkeeper (2)
Clerk-Typist (1)
Receptionist (3)
General secretary (1)

D. Construction Occupations

Electrician or lineman (1)

E. Maintenance and Repair Occupations

None

F. Manufacturing Occupations

NONE

G. Sales Occupations

Buyer or merchandiser (1)

H. Food Service and Lodging Occupations

Cook or baker (1)
Waiter or waitress (1)
Housekeeper (1)

I. Health Occupations

Physician's assistant (1)
General nurse (1)
Registered professional nurse (4)

TABLE XVIII (Cont.)
Stanton Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations

- Homemaker (1)
- Child care attendant (1)
- Sepcial education teahcer (1)
- School counselor (1)
- Policeman, policewoman, or highway patrolman (1)
- Cosmetologist or beautician (2)
- Interior designer or decorator (1)

K. Scientific Occupations

- Bacteriologist (1)

L. Transportation Related Occupations

- General mechanic (2)
- Automobile painter (1)
- Airline stewardess (2)
- Motorcycle repairman (1)

TABLE XIX

Area XIV Career Education Needs Assessment Study
Red Oak Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (7)
Farm manager (1)
Feed mill elevator operator (1)
Farm implement or garden equipment salesman (1)
Farm equipment mechanic (1)
Forester (5)
Landscaper (1)
Horticulturist or florist (1)
Park ranger or foreman (7)
Wildlife gamekeeper (7)
Conservation officer (3)
Veterinarian (4)
Veterinary assistant or technician (6)

B. Media, Art, and Entertainment Occupations

Journalist (3)
Author or writer (4)
Editor (2)
Photographer (12)
Photographic darkroom technician (1)
Fashion or photographer's model (2)
Fashion designer (1)
Displayman (1)
Artist (2)
Floral designer (6)
Drama coach or director (1)
Professional musician or singer (5)
Radio or TV announcer (7)
Radio or TV reporter (1)

C. Business and Office Occupations

Business and office worker (3)
Business administrator (2)
Business manager (3)
Teller (2)
Cashier (1)
Account executive (1)
Accounting technician (1)
Certified public accountant (1)
Bookkeeper (1)
General office clerk (1)
Receptionist (3)
General secretary (6)
Legal secretary (3)
Medical secretary (1)
Key-punch operator (1)
Computer programmer (1)
Industrial relations director (1)

TABLE XIX (Cont.)
Area XIV Career Education Needs Assessment Study
Red Oak Community School
10th Grade Career Interests
(Cont.)

D. Construction Occupations

Carpenter (6)
Painter (1)
Bricklayer or mason (1)
Building contractor (1)
Earth moving equipment operator (5)
Construction welder (1)
Architect (4)
Architectural draftsman (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Air conditioning or refrigeration mechanic (4)
Industrial maintenance mechanic (1)
Electronics mechanic or technician (1)
Radio or TV serviceman (2)
Maintenance electrician (2)
Musical instrument repairman (1)
Office machine repairman (1)
Repair welder (2)

F. Manufacturing Occupations

Tool and die maker (1)
Job and time study analyst (1)
Leatherworker (3)
Electric arc welder (1)
Cutting torch operator (3)

G. Sales Occupations

General sales worker (3)
Buyer or merchandiser (2)
Retail store manager (2)
Advertising assistant (1)
Sales or grocery store checker or cashier (4)
Supermarket department head (1)
Clothes and accessories salesperson (2)
Home furnishings salesperson (2)
Sporting goods salesperson (2)
Insurance salesman (1)
Real estate salesman (1)

H. Food Service & Lodging Occupations

Cook or baker (1)
Restaurant hostess (1)
Waiter or waitress (7)
Hotel or motel manager (1)

TABLE XIX (Cont.)
Area XIV Career Education Needs Assessment Study
Red Oak Community School
10th Grade Career Interests
(Cont.)

I. Health Occupations

Dental assistant or technician (1)
Medical doctor, physician, or surgeon (3)
Physician's assistant (2)
Medical laboratory technician or assistant (1)
General nurse (4)
Licensed practical nurse (4)
Registered professional nurse (2)
Mental health technician (1)
Psychologist (1)
X-ray technician (1)
YMCA Helper (1)
Dermatologist (1)

J. General Service Occupations

Community or social services worker (7)
Homemaker (7)
Home economist (1)
Home furnishings assistant (1)
Child care attendant (5)
Recreation director (2)
Elementary school teacher (8)
Secondary school teacher (2)
School counselor (2)
Librarian (1)
Foreign language interpreter (1)
Diplomat or foreign service worker (1)
Government official (2)
Lawyer, attorney, or judge (6)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (3)
Mail carrier or post office worker (3)
Barber (1)
Cosmetologist or beautician (1)
Bartender (1)
Fashion coordinator (1)
Interior designer or decorator (1)
Upholsterer (2)
Janitor (1)
Coach (1)
P.E. teacher (2)

K. Scientific Occupations

Archaeologist (3)
Biologist (1)
Chemist (1)
Economist (1)

TABLE XIX (Cont.)
Area XIV Career Education Needs Assessment Study
Red Oak Community School
10th Grade Career Interests
(Cont.)

K. Scientific Occupations (Cont.)

- Aeronautical engineer (1)
- Chemical engineer (1)
- Electrical engineer (1)
- Jeweler (1)
- Oceanographer (5)
- Pharmacist (2)
- Philosopher (2)
- Zoologist (4)

L. Transportation Related Occupations

- General mechanic (5)
- Service station attendant (1)
- Automobile garage mechanic (5)
- Automobile body and fender repairman (1)
- Automobile painter (1)
- Diesel mechanic (1)
- Aircraft and engine mechanic (1)
- Airline stewardess (12)
- Airplane pilot (3)
- Ground control operations specialist (1)
- Railroad Trainman (1)
- Small gas engine repairman (1)
- Motorcycle repairman (2)
- Light-truck driver (1)
- Tractor-trailer truck driver (4)

TABLE XIX (Cont.)
Area XIV Career Education Needs Assessment Study
Red Oak Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations
   General, livestock, or crop farmer (9)
   Farm Manager (2)
   Animal Husbandryman (1)
   Seed analyst (1)
   Forester (2)
   Horticulturist or florist (2)
   Park Ranger or foreman (10)
   Wildlife gamekeeper (6)
   Conservation officer (1)
   Veterinary assistant or technician (3)
B. Media, Art and Entertainment Occupations
   Journalist (2)
   Author or writer (2)
   Publisher (1)
   Photographer (4)
   Fashion designer (3)
   Displayman (1)
   Illustrator or layout man (2)
   Artist (1)
   Floral designer (2)
   Dancer or performer (1)
   Professional musician or singer (8)
   Professional athlete (2)
   Radio or TV announcer (4)
   Radio or TV control room technician (1)
C. Business and Office Occupations
   Business and office worker (2)
   Business administrator (2)
   Business manager (2)
   Banker (1)
   Teller (1)
   Cashier (2)
   Account executive (1)
   Accounting technician (1)
   Bookkeeper (1)
   Receptionist (2)
   General Secretary (1)
   Legal secretary (4)
   Medical secretary (1)
   Computer programmer (7)
D. Construction Occupations
   Construction worker (5)
   Carpenter (2)
   Bricklayer or mason (2)
   Earth moving equipment operator (1)
   Electrician or lineman (2)
   Construction welder (1)
   Architect (5)
   Architectural draftsman (1)

TABLE XIX (Cont.)
Red Oak Community School
11th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Industrial maintenance mechanic (1)
Electronics mechanic or technician (3)
Repair welder (2)
Computer maintenance (2)

F. Manufacturing Occupations

Factory worker (3)
Electrical or electronics technician (1)
Electric arc welder (1)

G. Sales Occupations

General sales worker (3)
Industrial sales manager (1)
Retail store manager (4)
Supermarket department head (1)
Clothes and accessories salesperson (2)
Fabric and sewing supplies salesperson (2)
Sporting goods salesperson (2)
Insurance salesman (1)

H. Food Service and Lodging Occupations

Cook or baker (4)
Meat cutter or butcher (1)
Restaurant hostess (4)
Restaurant manager (1)
Lodge owner (1)

I. Health Occupations

Hospital or health worker (2)
Dental assistant or technician (1)
Dental hygienist (1)
Dentist (1)
Medical doctor, physician, or surgeon (1)
Medical laboratory technician or assistant (3)
General nurse (3)
Licensed practical nurse (1)
Registered professional nurse (5)
Physical therapist (1)
Dietician (1)
Psychiatrist (1)
Psychologist (2)
X-ray technician (1)

J. General Service Occupations

Private or public service worker (1)
Community or social services worker (3)
Homemaker (1)
Home economist (2)
Child care attendant (1)

TABLE XIX (Cont.)

Red Oak Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

Elementary school teacher
Secondary school teacher (7)
Special education teacher (1)
School counselor (2)
College instructor (1)
Foreign language interpreter (3)
Lawyer, attorney, or judge (5)
Military officer or career serviceman (3)
Policeman, policewoman, or highway patrolman (2)
Watchman or guard (2)
Barber (1)
Cosmetologist or beautician (2)
Bartender (1)
Dressmaker or tailor (1)
Funeral director or undertaker (1)
Child Development teacher (1)
Store Owner (1)

K. Scientific Occupations

Biologist (2)
Chemist (1)
Aeronautical engineer (1)
Civil engineer (1)
Electrical engineer (5)
Industrial engineer (1)
Oceanographer (1)
Pharmacist (4)
Philosopher (1)
Historian (1)
Physicist (2)
Research analyst (1)
Sociologist (2)
Engineer (1)

TABLE XX
Area XIV Career Education Needs Assessment Study
Prescott Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (7)
Farm manager (1)
Wildlife gamekeeper (1)

B. Media, Art, and Entertainment Occupations

Artist (2)
Professional musician or singer (1)
Professional athlete (1)

C. Business and Office Occupations

Business and office worker (3)
Bookkeeper (2)
Receptionist (1)
General secretary (1)
Medical Secretary (1)

D. Construction Occupations

Carpenter (3)
Earth moving equipment operator (1)
Architect (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (2)
Radio or TV serviceman (1)

F. Manufacturing Occupations

Forklift truck operator (1)
Electric arc welder (1)

G. Sales Occupations

none

H. Food Service & Lodging Occupations

Cook or baker (2)
Meat cutter or butcher (2)

I. Health Occupations

General nurse (1)

TABLE XX (Cont.)
Area XIV Career Education Needs Assessment Study
Prescott Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations

Interviewer (1)
Policeman, policewoman, or highway patrolman (1)
Mail carrier or post office worker (1)
Interior designer or decorator (1)
Auctioneer (1)

K. Scientific Occupations

Scientist or engineer (1)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (1)
Diesel mechanic (1)
Airline stewardess (2)
Airplane pilot (1)
Railroad trainman (1)
Tractor-trailer truck driver (1)

TABLE XX (Cont.)

Area XIV Career Education Needs Assessment Study
Prescott Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
General, livestock, or crop farmer (5)
Wildlife gamekeeper (1)

B. Media, Art, and Entertainment Occupations

Radio or TV announcer (1)

C. Business and Office Occupations

Cashier (1)
Clerk-typist (1)
Receptionist (1)
General secretary (1)
Legal secretary (1)
Medical secretary (1)
Accountant (1)

D. Construction Occupations

Construction worker (1)
Carpenter (1)
Earth moving equipment operator (2)
Electrician or lineman (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Industrial maintenance mechanic (1)
Radio or TV serviceman (2)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

General sales worker (1)
Clothes and accessories salesperson (1)
Fabric and sewing supplies salesperson (1)

H. Food Service & Lodging Occupations

None

TABLE XX (Cont.)
Area XIV Career Education Needs Assessment Study
Prescott Community School
11th Grade Career Interests
(Cont.)

I. Health Occupations

Dental assistant or technician (1)
Dental hygienist (1)
Medical laboratory technician or assistant (1)
Registered professional nurse (1)
Physical therapist (1)
Physiologist (1)

J. General Service Occupations

Community or social services worker (1)
Homemaker (2)
Child care attendant (1)
Elementary school teacher (1)
Policeman, policewoman, or highway patrolman (4)
Funeral director or undertaker (1)

K. Scientific Occupations

None

L. Transportation Related Occupations

General mechanic (3)
Automobile garage mechanic (3)
Diesel mechanic (1)
Airline stewardess (1)
Light-truck driver (1)

TABLE XXI
Area XIV Career Education Needs Assessment Study
Orient-Macksburg Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (10)
Farm manager (4)
Animal husbandryman (2)
Forester (1)
Horticulturist or florist (1)
Park ranger or foreman (4)
Conservation officer (2)
Veterinarian (1)
Veterinary assistant or technician (2)

B. Media, Art, and Entertainment Occupations

Photographer (1)
Fashion or photographer's model (1)
Fashion designer (1)
Artist (1)
Floral designer (1)
Professional musician or singer (1)
Professional athlete (1)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (1)
Cashier (1)
Accounting technician (1)
Clerk-typist (2)
Receptionist (3)
General secretary (1)
Medical secretary (1)
Key-punch operator (1)
Personnel director (1)
Public relations specialist (1)

D. Construction Occupations

Construction worker (2)
Carpenter (5)
Bricklayer or mason (1)
Construction welder (1)
Architect (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (2)
Maintenance electrician (1)
Repair welder (2)

TABLE XXI (Cont.)
Area XIV Career Education Needs Assessment Study
Orient-Macksburg Community School
10th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Factory worker (2)
Electrical or electronics technician (2)
Forklift truck operator (1)
Combination arc and gas welder (2)
Electric arc welder (1)
Cutting torch operator (1)

G. Sales Occupations

Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (2)
Home furnishings salesperson (1)
Real estate salesman (2)

H. Food Service & Lodging Occupations

Kitchen Helper (1)
Meat cutter or butcher (1)
Waiter or waitress (1)
Housekeeper (1)

I. Health Occupations

Hospital or health worker (1)
Chiropractor (1)
General nurse (1)
Licensed practical nurse (1)
Registered professional nurse (3)
Home health aid (1)
Psychiatrist (1)
X-ray technician (1)

J. General Service Occupations

Private or public service worker (1)
Church or religious worker (1)
Homemaker (4)
Home furnishings assistant (1)
Child care attendant (2)
Recreation director (1)
Elementary school teacher (2)
Secondary school teacher (1)
School counselor (1)
Policeman, policewoman, or highway patrolman (5)
Barber (1)
Cosmetologist or beautician (1)
Fashion coordinator (1)
Coach (1)

TABLE XXI (Cont.)
Area XIV Career Education Needs Assessment Study
Orient-Macksburg Community School
10th Grade Career Interests
(Cont.)

K. Scientific Occupations

Archaeologist (1)
Jeweler (1)
Zoologist (1)

L. Transportation Related Occupations

General mechanic (1)
Automobile garage mechanic (1)
Automobile body and fender repairman (2)
Automobile salesman (4)
Diesel mechanic (1)
Airline stewardess (3)
Airline reservationist (4)
Airplane pilot (2)
Railroad trainman (1)
Motorcycle repairman (2)
Tractor-trailer truck driver (4)

Area XIV Career Education Needs Assessment Study
Orient-Macksburg Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (5)
Farm manager (3)
Forester(1)
Nurseryman (1)
Wildlife gamekeeper (1)
Conservation officer (2)
Extension agent (1)
Veterinarian (1)

B. Media, Art, and Entertainment Occupations

Designer or entertainer (1)
Journalist (1)
Photographer (2)
Fashion or photographer's model (1)
Illustrator or layout man (1)
Actress or actor (1)
Radio or TV announcer (1)

C. Business and Office Occupations

Business manager (1)
Banker (1)
Cashier (1)
Accounting technician (1)
Bookkeeper (1)
General secretary (2)
Key-punch operator (1)
Computer programmer (1)

D. Construction Occupations

Carpenter (4)
Building contractor (1)
Electrician or lineman (1)
Construction welder (1)
Architect (4)
Architectural draftsman (1)
Landscaper (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (1)
Radio or TV serviceman (1)

F. Manufacturing Occupations

Woodworking machine operator (1)
Oxyacetylene welder (1)

TABLE XXI (Cont.)
Area XIV Career Education Needs Assessment Study
Orient-Macksburg Community School
11th Grade Career Interests
(Cont.)

G. Sales Occupations

General sales worker (1)
Sales or grocery store checker or cashier (2)
Fabric and sewing supplies salesperson (1)

H. Food Service and Lodging Occupations

Cook or baker (1)
Restaurant hostess (1)
Waiter or waitress (2)
Housekeeper (1)
Hotel or motel manager (2)

I. Health Occupations

Physician's assistant (1)
Nurse's Aid (1)
Dietician (1)

J. General Service Occupations

Homemaker (3)
Child care attendant (4)
Recreation director (2)
Elementary school teacher (2)
Secondary school teacher (2)
School teacher's aid (1)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (1)
Mail carrier or post office worker (1)
Cosmetologist or beautician (2)
Fashion coordinator (1)
Carpet and upholstery cleaner (1)
Urban planner (1)

K. Scientific Occupations

Archaeologist (1)
Mechanical engineer (1)
Zoologist (1)

L. Transportation Related Occupations

Automobile garage mechanic (2)
Automobile body and fender repairman (3)
Automobile painter (1)
Airline stewardess (6)
Light-truck driver (2)

TABLE XXII
Area XIV Career Education Needs Assessment Study
Clarke Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (12)
Farm manager (2)
Farm equipment mechanic (2)
Animal husbandryman (3)
Landscaper (1)
Park ranger or foreman (4)
Wildlife gamekeeper (3)
Conservation officer (2)
Exterminator (1)
Veterinarian (6)

B. Media, Art, and Entertainment Occupations

Designer or entertainer (2)
Journalist (3)
Author or writer (3)
Typesetter (1)
Photographer (3)
Photographic darkroom technician (1)
Fashion or photographer's model (3)
Fashion designer (4)
Artist (7)
Actress or Actor (1)
Professional musician or singer (2)
Professional athlete (2)
Radio or TV announcer (3)

C. Business and Office Occupations

Business and office worker (4)
Business manager (2)
Banker (2)
Certified public accountant (1)
Bookkeeper (1)
Receptionist (7)
General secretary(11)
Legal secretary (1)
Medical secretary (2)
Key-punch operator (1)
Survey worker (1)

D. Construction Occupations

Construction worker (5)
Carpenter (4)
Bricklayer or mason (1)
Cost estimator (1)
Civil engineering technician (1)
Earth moving equipment operator (5)
Plumber or pipefitter (2)
Construction welder (5)
Architect (3)
Architectural draftsman (1)

Area XIV Career Education Needs Assessment Study
Clarke Community School
10th Grade Career Interests
(Cont.)

E. Maintenance and Repair Occupations

Maintenance and repair worker (4)
Electronics mechanic or technician (3)
Radio or TV serviceman (3)
Gas or electric appliance serviceman (2)
Repair welder (3)

F. Manufacturing Occupations

Factory worker (2)
Electrical or electronics technician (1)
Forklift truct operator (2)
Sewing machine operator (1)
Combination arc and gas welder (1)
Electric arc welder (3)

G. Sales Occupations

General sales worker (2)
Advertising assistant (2)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (2)
Home furnishings salesperson (1)
Sporting goods salesperson (1)

H. Food Service and Lodging Occupations

Food service or lodging worker (3)
Cook or baker (3)
Kitchen helper (1)
Meat cutter or butcher (2)
Restaurant manager (2)
Waiter or waitress (2)
Custodian (1)
Housekeeper (2)
Hotel or motel manager (4)

I. Health Occupations

Hospital or health worker (1)
Dental assistant or technician (3)
Medical doctor, physician, or surgeon (2)
Medical laboratory technician or assistant (1)
Medical record technician (1)
General nurse (1)
Registered professional nurse (2)
Physical therapist (1)
Physical therapy attendant (2)
Dietician (1)
Psychiatrist (3)
Psychologist (1)
Pathologist (1)
X-ray technician (1)

Area XIV Career Education Needs Assessment Study
Clarke Community School
10th Grade Career Interests
(Cont.)

J. General Service Occupations

Community or social services worker (3)
Church or religious worker (1)
Homemaker (3)
Home economist (1)
Home furnishings assistant (1)
Child care attendant (4)
Recreation director (3)
Elementary school teacher (2)
Secondary school teacher (4)
Foreign language interpreter (1)
Lawyer, attorney, or judge (4)
Court reporter (2)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (4)
Bartender (3)
Fashion coordinator (1)
Interior designer or decorator
Food and drug inspector (1)
Speech clinician (1)
Politician (2)
Piano Teacher (1)
Ag. teacher (1)
Blacksmith (1)

K. Scientific Occupations

Scientist or engineer (1)
Archaeologist (3)
Biologist (1)
Aeronautical engineer (3)
Mechanical engineer (1)
Mathematician (1)
Pharmacist (1)
Zoologist (1)
Marine Biologist (1)

L. Transportation Related Occupations

General mechanic (8)
Service station attendant (1)
Automobile garage mechanic (6)
Automobile body and fender repairman (1)
Diesel mechanic (1)
Aircraft and engine mechanic (2)
Airline stewardess (4)
Airplane pilot (2)
Motorcycle repairman (2)
Bicycle repairman (1)
Light-truck driver (2)
Tractor-trailer truck driver (3)
Taxi Cab Driver (1)

TABLE XXII (Cont.)

Area XIV Career Education Needs Assessment Study
Clarke Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (4)
Farm manager (3)
Farm implement or garden equipment salesman (1)
Forester (4)
Landscaper (1)
Park ranger or foreman (3)
Wildlife gamekeeper (4)
Conservation officer (1)
Soil conservation aid (1)
Extension agent (2)
Veterinary assistant or technician (1)
Cattle order buyer (1)

B. Media, Art, and Entertainment Occupations

Journalist (5)
Author or writer (2)
Photographer (5)
Artist (1)
Actress or actor (1)
Professional musician or singer (3)

C. Business and Office Occupations

Business manager (2)
Cashier (1)
Accounting technician (1)
Certified public accountant (2)
Clerk-typist (3)
Receptionist (3)
General secretary (9)
Computer programmer (4)
Computer systems analyst (1)

D. Construction Occupations

Construction worker (2)
Painter (1)
Bricklayer or mason (1)
Architect (1)
Architectural draftsman (2)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Industrial maintenance mechanic (1)
Radio or TV serviceman (1)
Repair welder (1)

TABLE XXII (Cont.)
Area XIV Career Education Needs Assessment Study
Clarke Community School
11th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

- Factory worker (2)
- Foundry metal patternmaker (1)
- Tool and die maker (1)
- Woodworking machine operator (1)
- Leatherworker (1)
- Combination arc and gas welder (1)
- Supervisor (1)

G. Sales Occupations

- Buyer or merchandiser (2)
- Industrial sales manager (1)
- Sales or grocery store checker or cashier (1)
- Clothes and accessories salesperson (4)
- Sporting goods salesperson (1)
- Hardware salesperson (1)
- Motorcycle Salesman (1)

H. Food Service & Lodging Occupations

- Cook or baker (3)
- Kitchen helper (1)
- Meat cutter or butcher (1)
- Restaurant manager (3)
- Waiter or waitress (3)
- Housekeeper (2)

I. Health Occupations

- Dental assistant or technician (2)
- Dental hygienist (1)
- Medical laboratory technician or assistant (1)
- Medical record technician (1)
- Ambulance attendant (1)
- Nurse's aid (1)
- Licensed practical nurse (2)
- Registered professional nurse (1)
- Operating room technician (1)
- Physical therapist (1)
- Psychiatrist (1)
- Psychologist (4)
- X-ray technician (5)

J. General Service Occupations

- Community or social services worker (3)
- Clergyman (1)
- Homemaker (1)
- Home economist (2)
- Elementary school teacher (4)

TABLE XXII (Cont.)
Area XIV Career Education Needs Assessment Study
Clarke Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

Secondary school teacher (2)
Special education teacher (1)
College instructor (1)
Librarian (1)
Lawyer, attorney, or judge (2)
Policeman, policewoman, or highway patrolman (2)
Cosmetologist or beautician (1)
Fashion coordinator (1)
Interior designer or decorator (3)
Upholsterer (1)
Funeral director or undertaker (1)
Vocational Ag. Instructor (2)
P.E. Teacher (1)

K. Scientific Occupations

Archaeologist (2)
Anthropologist (1)
Mathematician (3)
Sociologist (1)
Zoologist (2)

L. Transportation Related Occupations

General mechanic (2)
Service station attendant (1)
Automobile garage mechanic (5)
Automobile body and fender repairman (4)
Aircraft and engine mechanic (1)
Airline stewardess (4)
Airplane pilot (2)
Flight engineer or navigator (1)
Small gas engine repairman (1)
Motorcycle repairman (1)
Tractor-trailer truck driver (3)

TABLE XXIII
Area XIV Career Education Needs Assessment Study
East Union Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (1)
Farm manager (1)
Farm equipment mechanic (1)
Wildlife gamekeeper (2)
Conservation officer (1)
Exterminator (1)

B. Media, Art, and Entertainment Occupations

Journalist (1)
Photographer (3)
Artist (4)
Dancer or performer (1)
Radio or TV equipment operator (1)

C. Business and Office Occupations

Business and office worker (1)
Cashier (1)
Bookkeeper (1)
Clerk-typist (1)
General secretary (2)
Legal secretary (1)
Computer programmer (1)

D. Construction Occupations

Carpenter (1)
Painter (1)
Briklayer or mason (1)
Building materials dealer, salesman, or yardsman (1)
Earth moving equipment operator (1)
Architectural draftsman (2)

E. Maintenance and Repair Occupations

Radio or TV serviceman (1)
Gun Maintenance (1)

F. Manufacturing Occupations

Factory worker (1)

G. Sales Occupations

General sales worker (1)
Industrial sales manager (1)
Fabric and sewing supplies salesperson (1)
Hardware salesperson (1)
Motorcycle salesman (1)

TABLE XXIII (Cont.)
Area XIV Career Education Needs Assessment Study
East Union Community School
10th Grade Career Interests
(Cont.)

H. Food Service & Lodging Occupations

Cook or baker (2)
Meat cutter or butcher (1)
Housekeeper (2)

I. Health Occupations

Ambulance attendant (1)
Nurse's aid (5)
General nurse (1)
Physical therapist (1)

J. General Service Occupations

Community or social services worker (5)
Homemaker (3)
Elementary School teacher (1)
Special education teacher (1)
School teacher's aid (2)
Lawyer, attorney, or judge (2)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (1)
Cosmetologist or beautician (2)
Bartender (3)
Dressmaker or tailor (1)
Interior designer or decorator (2)
Auctioneer (1)
Coach (2)
Music teacher (1)
Atheletic Trainer (1)

K. Scientific Occupations

Archaeologist (1)
Astronomer (1)
Mathematician (1)
Oceanographer (1)
Zoologist (1)

L. Transportation Related Occupations

Airline Stewardess (1)
Motorcycle repairman (2)
Bicycle repairman (2)
Tractor-trailer truck driver (5)

TABLE XXIII (Cont.)
Area XIV Career Education Needs Assessment Study
East Union Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General agriculture or conservation worker (1)
General, livestock, or crop farmer (5)
Farm equipment mechanic (2)
Animal husbandryman (1)
Forester (3)
Park ranger or foreman (3)
Wildlife gamekeeper (4)
Conservation officer (2)
Veterinarian (2)

B. Media, Art, and Entertainment Occupations

Author or writer (1)
Publisher (1)
Photographer (2)
Fashion designer (1)
Industrial or product designer (1)
Actress or actor (2)
Professional musician or singer (2)
Professional athlete (3)
Radio or TV announcer (5)

C. Business and Office Occupations

Business administrator (1)
Accounting technician (1)
Clerk-typist (3)
Receptionist (1)
Switchboard operator (1)
General secretary (1)
Legal secretary (1)
Medical secretary (1)
Computer programmer (1)
Market research analyst (1)
Survey worker (2)

D. Construction Occupations

Construction worker (6)
Earth moving equipment operator (2)
Sheet metal worker (1)
Architectural draftsman (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (1)
Radio or TV serviceman (1)
Repair Welder (1)

TABLE XXIII (Cont.)
Area XIV Career Education Needs Assessment Study
East Union Community School
11th Grade Career Interests
(Cont.)

F. Manufacturing Occupations

Factory worker (2)
Mechanical draftsman (1)
Leatherworker (1)
Electric arc welder (1)
Oxyacetylene welder (1)
Cutting torch operator (1)

G. Sales Occupations

Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (2)
Insurance salesman (1)

H. Food Service and Lodging Occupations

Cook or baker (1)
Kitchen helper (1)
Housekeeper (1)

I. Health Occupations

Dental assistant or technician (1)
Medical doctor, physician, or surgeon (2)
Physician's assistant(1)
Ambulance attendant (1)
Nurse's aid (3)
Licensed practical nurse (2)
Physical therapist(1)
Physiologist (1)
Psychiatrist (1)

J. General Service Occupations

Community or social service worker (1)
Homemaker (3)
Child care attendant (3)
Recreation director (2)
Elementary school teacher (1)
Secondary school teacher (3)
Librarian (1)
Lawyer, attorney, or judge (1)
Military officer or career serviceman (1)
Policeman, policewoman, or highway patrolman (2)
Cosmetologist or beautician (2)
Bartender (2)
Dressmaker or tailor (1)
Interior designer or decorator (1)
Urban planner (1)

TABLE XIII (Cont.)
Area XIV Career Education Needs Assessment Study
East Union Community School
11th Grade Career Interests
(Cont.)

K. Scientific Occupations

- Astronomer (1)
- Aeronautical engineer (1)
- Electrical engineer (1)
- Mathematician (1)
- Philosopher (1)
- Historian (1)
- Zoologist (1)
- Automotive Engineer (1)

L. Transportation Related Occupations

- General mechanic (7)
- Automobile garage mechanic (7)
- Diesel mechanic (2)
- Airline stewardess (2)
- Airplane pilot (1)
- Ground control operations specialist (1)
- Motorcycle repairman (6)
- Light-truck driver (2)
- Tractor-trailer truck driver (7)

TABLE XXIV
Area XIV Career Education Needs Assessment Study
Bedford Community School
10th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock, or crop farmer (9)
Feed mill elevator operator (1)
Conservation Officer (1)
Veterinarian (2)
Veterinary assistant or technician (1)

B. Media, Art, and Entertainment Occupations

Journalist (2)
Author or writer (1)
Photographer (3)
Fashion designer (1)
Artist (4)
Drama coach or director (1)
Professional athlete (1)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (3)
Cashier (2)
Account executive (1)
Bookkeeper (3)
Clerk-typist (1)
Receptionist (2)
Legal secretary (1)
Computer programmer (2)

D. Construction Occupations

Construction worker (1)
Carpenter (3)
Earth moving equipment operator (1)
Construction welder (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Electronics mechanic or technician (1)
Gas or electric appliance serviceman (1)
Musical instrument repairman (1)
Repair Welder (1)

F. Manufacturing Occupations

Factory worker (1)
Job or time study analyst (1)

TABLE XXIV (Cont.)
Area XIV Career Education Needs Assessment Study
Bedford Community School
10th Grade Career Interests
(Cont.)

G. Sales Occupations

General sales worker (2)
Retail store manager (1)
Sales or grocery store checker or cashier (1)
Clothes and accessories salesperson (2)
Fabric and sewing supplies salesperson (1)
Sporting goods salesperson (1)
Auctioneer (1)

H. Food Service & Lodging Occupations

Cook or baker (2)
Meat cutter or butcher (1)
Restaurant manager (1)
Housekeeper (1)

I. Health Occupations

Hospital or health worker (2)
Dental hygienist (1)
Nurse's Aid (3)
Physical therapist (1)
Home health aid (1)
Psychiatrist (1)
Medical Technologist (1)

J. General Service Occupations

Church or religious worker (1)
Homemaker (5)
Home furnishings assistant (1)
Child care attendant (1)
School teacher's aid (1)
Librarian (1)
Lawyer, attorney, or judge (1)
Military officer or career serviceman (1)
Temporary military serviceman or woman (1)
Fireman (1)
Bartender (3)
Interior designer or decorator (1)
Funeral director of undertaker (1)
Telephone Worker (1)
Physical Education teacher (1)
Coach (1)

K. Scientific Occupations

Biologist (1)
Mathematician (1)
Oceanographer (1)
Pharmacist (1)

TABLE XXIV (Cont.)
Area XIV Career Education Needs Assessment Study
Bedford Community School
10th Grade Career Interests
(Cont.)

L. Transportation Related Occupations

- Automobile garage mechanic (2)
- Automobile parts counterman (1)
- Airline stewardess (1)
- Airplane pilot (2)
- Light-truck driver (2)
- Tractor-trailer truck driver (4)

TABLE XXIV (Cont.)
Area XIV Career Education Needs Assessment Study
Bedford Community School
11th Grade Career Interests

A. Agriculture and Conservation Occupations

General, livestock or crop farmer (4)
Farm manager (6)
Feed mill elevator operator (1)
Farm equipment mechanic (3)
Forester (1)
Landscaper (1)
Groundskeeper (1)
Park ranger or foreman (2)
Wildlife gamekeeper (2)
Conservation officer (1)
Extension agent (1)
Veterinarian (1)
Veterinary assistant or technician (1)
Dog Kennel Owner (1)

B. Media, Art and Entertainment Occupations

Journalist (1)
Photographer (2)
Fasion or photographer's model (1)
Fashion designer (2)
Artist (1)
Dancer or performer (1)
Professional musician or singer (1)
Professional athlete (1)
Radio or TV announcer (1)

C. Business and Office Occupations

Business and office worker (1)
Teller (1)
Bookkeeper (2)
General office clerk (1)
Receptionist (2)
General Secretary (5)
Legal secretary (2)
Medical secretary (1)
Computer programmer (5)

D. Construction Occupations

Construction worker (6)
Carpenter (2)
Building contractor (1)
Earth moving equipment operator (2)
Electrician or lineman (1)
Plumber or pipefitter (1)

E. Maintenance and Repair Occupations

Maintenance and repair worker (1)
Industrial maintenance mechanic (1)
Electronics mechanic or technician (4)
Radio or TV serviceman (1)
Gas or electric appliance serviceman (1)
Instrument or watch repairman (1)
Musical instrument repairman (1)

Area XIV Career Education Needs Assessment Study
Bedford Community School
11th Grade Career Interests

F. Manufacturing Occupations

- Factory worker (1)
- Cabinetmaker (1)
- Engineering technician (1)
- Sewing machine operator (1)

G. Sales Occupations

- General sales worker (3)
- Buyer or merchandiser (1)
- Sales or grocery store checker or cashier (2)
- Clothes and accessories salesperson (3)
- Sporting goods salesperson (2)

H. Food Service & Lodging Occupations

- Cook or baker (1)
- Restaurant manager (1)
- Waiter or waitress (3)
- Housekeeper (1)

I. Health Occupations

- Hospital or health worker (1)
- Dental assistant of technician (1)
- Medical doctor, physician, or surgeon (1)
- Chiropractor (1)
- Medical laboratory technician or assistant (2)
- Nurse's Aid (5)
- General nurse (2)
- Licensed practical nurse (1)
- Registered professional nurse (3)
- Mental health technician (1)
- Home Health aid (1)
- Physiologist (1)
- Psychiatrist (2)
- X-ray technician (2)

J. General Service Occupations

- Private or public service worker (1)
- Community or social services worker (2)
- Church or religious worker (1)
- Homemaker (5)
- Home economist (1)
- Recreation director (2)
- Elementary school teacher (2)
- Secondary school teacher (1)
- Special education teacher (2)
- School teacher's aid (1)
- School counselor (1)
- Librarian (2)
- Lawyer, attorney, or judge (1)
- Policeman, policewoman, or highway patrolman (3)
- Cosmetologist or beautician (4)
- Bartender (2)
- Interior designer or decorator (2)

TABLE XXIV (Cont.)
Area XIV Career Education Needs Assessment Study
Bedford Community School
11th Grade Career Interests
(Cont.)

J. General Service Occupations (Cont.)

Carpet and linoleum layer (1)
Politician (1)

K. Scientific Occupations

Scientist or engineer (1)
Industrial engineer (1)
Mathematician (1)
Oceanographer (1)
Pharmacist (1)
Zoologist (2)

L. Transportation Related Occupations

General mechanic (2)
Automobile garage mechanic (4)
Automobile body and fender repairman (2)
Diesel mechanic (1)
Airline stewardess (4)
Airplane pilot (1)
Motorcycle repairman (2)
Tractor-trailer truck driver (3)

Resources Available for Career Education

The kinds of practical training programs available within each of the local school districts can be found in the results of the Administrative Survey. One of the Area XIV schools, Osceola, is involved in the Iowa Project. Red Oak Community School is working with Project Discovery.

Southwestern Community College offers the following Career Education Programs:

Auto Body- 11 months in length; Diploma received upon completion.
Auto Mechanics - 11 months in length; Diploma received upon completion.
Carpentry & Building Trades - 16 months in length; Diploma received upon completion
Electrician's Training - 9 months in length; Diploma received upon completion
Electronics Technology with Radio & TV Repair Option - 11 months in length; Diploma received.
Electronics Technology - 20 months in length; Associate of Applied Science Degree in Electronics Technology received.
Farm & Ranch Management - 4 semesters in length; Associate Degree in Applied Science in Agriculture received upon completion.
Farm Equipment Mechanics - 11 months in length; Diploma received upon completion.
Masonry Trades - 11 months in length; Diploma received upon completion.
Media Technology - 4 semesters in length; Associate in Applied Science Degree - educational Media Technology received upon completion.
Office Occupations -
  Clerical - 9 months in length; Diploma received upon completion.
  Secretarial - 11 months in length; Diploma received upon completion.
Practical Nursing - 11months in length; Diploma received upon completion.
Structural Drafting - 11 months in length; Diploma received upon completion.

The following college parallel programs are offered at Southwestern Community College:
Liberal Arts, Pre-Agriculture, Pre-Engineering, Pre-Business Administration, Teacher Education, Pre-Law, Pre-medicine.

Occupational Programs are also offered:

Accounting, Business Management, Secretarial Studies, and now under development a course in Police Science.

Graceland College at Lamoni, Iowa is also within Area XIV. They offer the following Major courses: Art; Biology; Biology (Physical Therapy); Biology (Predental & Premedical); Business Administration; Business Education; Chemistry; Computer Science; Economics; Elementary Education; English; German; Health, Physical Education, and Recreation; History; International Studies; Mathematics; Medical Technology; Modern Foreign Language; Music; Music Education; Nursing; Psychology; Religion; Science - Basic; Science - Physical; Social Studies; Social Welfare; Sociology; Spanish; Theatre & Speech.

Southwestern Community College offers many Adult Education Supplemental classes. On the following page these supplemental classes are listed.

Adult Education Supplemental Classes:

BUSINESS EDUCATION

A.I.B. Banking Series, Bookkeeping & Accounting I,II, Business mathematics, Commercial law, Effective supervisory practices, General business, Human relations, Income Tax, Management and group performances, Office Machines, Office occupations, Real Estate, Record keeping for small businesses, Retail sales training, Secretarial training, Shorthand I, II, Typing I, II.

HEALTH EDUCATION

Activity Directors (orientation), Charge Nursing, Coronary Care Nursing, Diabetic Care, Effective Supervisory Practices, EMT-A (ambulance training), EMT-R, Emergency Nursing, Emphysema, Family Planning, First Aid (multi media), Human Development, Human Relations, Prenatal Care, Learning Disabilities, Medical Interviewing, Medical Terminology, Metric System for Health Personnel, Nurse Aide (geriatric), Nurse Aide Orderly, OB Nursing, OR Nursing, Pharmacology, Post Coronary Care, Ward Clerk.

HOME MAKING

Advanced sewing, Alterations, Floral design (beginning & advanced), General tailoring, Knit fabric lingerie, Knit fabric tailoring.

INDUSTRIAL EDUCATION

Auto mechanics (general), Automotive air conditioning, Basic auto tuning, Brakes (fundamentals), Basic Electricity, Electronics I,II, III, Iv, Front end alignment-wheel balancing, Home plumbing (basic), Home wiring, Motorcycle repair, Radio & TV repair, Refrigeration & air conditioning, Small electrical appliance repair, Small engine repair, Tractor maintenance, Welding I, II

GENERAL INTEREST

Advanced photography, Blue print reading, Bus driver training, Charge nurse training, Custodial services, Firemanship training, First aid multi media, Medical self-help training, Nurse Aide (short course), Slide Rule, Upholstery.

IV. SOCIAL AGENCIES

SOCIAL AGENCIES

Current course offerings by social agencies and other activities related to them will be covered in this chapter relating to them.

Vocational Rehabilitation
and
Area XIV Career Education Needs Assessment
March 13, 1975

Persons Present: Mr. Gary Underwood, Vocational Rehabilitation Counselor
and Mary Wilson, Coordinator, Area XIV Career Education
Needs Assessment Study

Vocational Rehabilitation is a state and federally funded program that works with the disabled population in Iowa. Vocational Rehabilitation is much like its name implies in that it is vocationally oriented. The end goal of Vocational Rehabilitation is to find employment for its clients and to help them become self-supporting citizens. Vocational Rehabilitation has three criteria in order for clients to be eligible for Rehab. services. (1) All clients must have a mental or physical disability. (2) The disability that the client has must create a vocational handicap for that person. (3) And finally, it must be feasible that the client will be able to engage in a gainful occupation upon completion of Vocational Rehabilitation's services.

Vocational Rehabilitation was founded in approximately 1920 when it began working with disabled veterans after World War I. The philosophy of Vocational Rehabilitation; that is getting disabled citizens back into the labor market as self-supporting individuals, has proved to be a sound idea. From its small beginning in working with disabled veterans, Vocational Rehabilitation has come to work with all segments of our population and now includes not only physical disabilities but also mental disabilities.

Some of the services provided by Vocational Rehabilitation are as follows: (1) Physical restoration, which includes providing money for operations, hearing aids, prosthetic hands, arms, and legs, individual and group psychotherapy, and almost any service that will help render a person fit to engage in a gainful occupation. (2) Money is provided for educational training such as vocational training, college training, or on-the-job training. (3) Vocational guidance and couseling and personal guidance and couseling. (4) Vocational Rehabilitation also provides for job placement and follow-up services.

Another service available to all Vocational Rehabilitation clients if desired is the Iowa State Vocational Rehabilitation Center. This Center provides for a complete vocational evaluation which also includes the following: (1) Driver's Education, especially in regards to those who need hand controls or special devices in order to drive. (2) An amputee team which helps train people to use and operate prosthetic devices. (3) Facilities are also provided for a complete hearing evaluation and even evaluates hearing aids for the person that might be deaf or hard of hearing. (4) A basic academic skills area is provided for evaluation in this area. (5) A special area at the Center is designed for activities of daily living in which such things as budgeting, cooking, and other activities of daily living are evaluated. (6) The Center has dormitory facilities in which the client can stay for up to five weeks to be evaluated to find out in which areas they have the most ability, interest, and potential. (7) The Center provides a total atmosphere in which the client can get involved in actual and simulated job experience kind of evaluation.

Vocational Rehabilitation deals very closely with other agencies in the community. Social Services is one of the agencies that works very closely with Vocational Rehabilitation and provides many referrals. The new CETA team also works closely with Vocational Rehabilitation. The Comprehensive Employment and Training Act often works with Vocational Rehabilitation clients in setting up on-the-job training programs and helping many clients find employment. Another resource in this community is the Southwest Iowa Sheltered Workshop in which many Vocational Rehabilitation clients get on-the-job training, on-the-job evaluation and many times are placed as a permanent employee of the Workshop. Another Agency that works with Vocational Rehabilitation is the Iowa State Employment Services. Many clients of Vocational Rehabilitation find their jobs through the Employment Office and often clients are referred to Vocational Rehabilitation through the Employment Office.

Vocational Rehabilitation is an Agency that tries to help meet the total needs of their clients. This involves many aspects of the client's lives but the end goal of Vocational Rehabilitation is to get a person into the labor market and back on their feet so they can once again become self-supporting and in many cases self-respecting individuals.

Area XIV Career Education Assessment Study
And
Iowa Employment Security Meeting

March 11, 1975

Persons Present: Gretchen Berg, Iowa Employment Security, and Mary Wilson, Coordinator, Area XIV Career Education Needs Assessment Study

The Employment Security's major function is placement. The employees of Employment Security work with anything leading to placement.

The counties covered by Iowa Employment Secuirty for Area XIV are: Adair, Adams, Taylor, Decatur, Ringgold, Clarke and Union.

Charles A. Couch, Des Moines, Area VII Manager, supervises employment service operations on an area basis. Area VII offices are Newton, Ames, Des Moines, and Creston.

Gretchen Berg, Creston, Manpower Sepcialist III, is responsible for employment service activities of Area XIV. She supervises operations of Creston local office and the satellite office at Osceola.

Larry Bradley, EEA Intern, handles Public Service Employment under Title VI.

Lon Means, Creston, Manpower Specialist II, as veterans representative is in charge of the veterans program for Area XIV. He works with veterans organizations and local employers to give all service possible to veterans seeking employment or training.

The Employment Security office is required by law to give veterans preference on job openings.

Dan Pine, Creston, Manpower Sepcialist I, as placement specialist performs employment service work at the local employment office involving placement of applicants and related work.

Mr. Gary Batterton, Osceola, Manpower Specialist II, is placement specialist and responsible for employment service activities in Clarke County. He performs all functions involving placement of applicants in a one person office.

The Iowa Employment Security office in Creston makes some visits to schools in the area to acquaint students with the Employment Security. These visits are held to a minimum as the main direction for Employment Security now is placement.

Vocational Rehabilitation - does do some testing for people who are seeking employment through Iowa Employment Security. Employment Security also cooperates with Vocational Rehabilitation on training and retraining of people.

CETA (Comprehensive Employment and Training Act) - Employment Security refers people to CETA if a person is needing further training before seeking a job.

Southwestern Community College - works with Employment Security in giving training to people who are seeking employment if further skills are needed. The Employment Security office used to administer GATB testing to potential Southwestern Community College students but Mr. Paul Somers, Counselor, at Southwestern Community College now administers these tests. Employment Security does little GATB testing now.

Iowa Employment Security Commission also has unemployment insurance claims service provided to the Creston office by the staff at the area claims office in Des Moines, The unemployment insurance representative is in the Creston employment office each Thursday morning from 9:00 a.m. until 12:00 noon.

Southern Iowa Council of Governments - works with Employment Security in people oriented programs.

Mr. Ted Hines, Field Liability Auditor, works with employers on the contributions for unemployment. He has a number of counties he works with in Area XIV.

The employment office in Creston issues child labor permits.

In addition to placement services, Iowa Employment Security offers information on laws, regulations and policies affecting training and employment. Assistance in selecting employees through proper procedure including aptitude testing, job adjustment counseling for employees, guidance in resolving employment problems such as turnover and absenteeism, and labor market information on local, state, and national labor supply and demand. Technical assistance can be obtained by our office from specialists in the administrative office in Des Moines.

Proficiency testing offered through Iowa Employment Security includes testing in Shorthand, Typing, and Spelling. The Employment Security gives typing tests for Civil Service exams.

Iowa State University Extension Services
and
Area XIV Career Education Needs Assessment Study

April 4, 1975

Persons Present: Mr. Jim Almquist, Iowa State University Extension Director, and Mary Wilson, Coordinator, Area XIV Career Education Needs Assessment Study

The Iowa State University Extension Services Area Office in Creston is a branch of Iowa State University in Ames. Extension Services disseminates education and information to the people from Iowa State University. Iowa State University and its extension service has a century-old commitment to service. Extension takes the resources of Iowa State University to where the people are, where people are living with their problems on an intimate, daily basis.

Iowa State University Extension Services serves eight counties which are: Adair, Adams, Clarke, Decatur, Madison, Ringgold, Taylor and Union.

The Extension Service does a great deal of grass roots problem identifying. Iowa State University Extension Service works with lay people in finding where the true problem lies and then Extension Service sees how they can deal with the problems for this area.

The delivery system of the Extension program utilizes professional staff on the local, area, and campus scene. Each County Extension Office is the front door of Iowa State University. The Area Extension Office is a resource to that County Office and supplies a source of staff specialization to the County Extension staff and program.

Education is the main service provided by Iowa State University Extension Service. Extension services provides a very wide scope of education and information relating to Agriculture, Home Economics, Engineering, Public Affairs, Business and Industry, Youth Development, and Graduate level off-campus courses.

Mr. Almquist stated that services provided by Extension Services can be broken down to: Youth, Home Economics, Community Resource Development, and Agriculture.

Home Economics:

Family (total family) Home Economics is staffed by two Human Development Specialists to deal with problems of the family. Judy Carlson is the Family Specialist. They deal with elderly, youth and young homemakers and their needs. Futhermore, four (4) Extension Home Economists provide educational programs relating to: Food and Nutrition, clothing, housing, family resource management, interior design, household equipment, creative arts and needs of the handicapped.

Young Homemakers Program:

In Adair County a 6 month program was initiated to deal with the needs of the young rural homemaker. An extension aide was hired for this program. Judy Carlson was the resource person. Judy, the Home Economist, and Sharon Johnson the Extension Aide dealt with the young rural homemakers special problems. The Extension Aide organized 10 small groups out of the country rather than from town. There were 8 or 9 ladies in each group. The aide would recruit participants and then babysit for the little ones and Judy taught them human development and child development topics they were interested in and wanted to know about.

A Young Homemaker's Program is now starting in Adams County. The Extension Service wants the on-going Home Economics program to take up this program and carry it on after the completion of the 6 month program.

Child Care Centers:

Three Child Development majors from Iowa State University have been hired to serve as resource people in the Creston, Winterset and Leon Child Care Centers this summer (June 2 - August 15). The University will pay their travel, salary and expenses. They also will work with home care centers (babysitters) to help them do a better job with the children they are caring for.

The Home Economics' Expanded Nutrition Program deals with nutrition of low income families. This program is running in: Adams, Union, Adair, Taylor, and Decatur Counties. Iowa State University Extension Service has hired paraprofessional people to work with this program. Each aide deals with approximately 40 families. They also work with small groups of homemakers.

This summer a spine-off of the Expanded Nutrition Program will be a program in which a Home Economics major will be hired as an Extension Clothing Aide. Her responsibility will be clothing construction, clothing care, clothing selection, and personal grooming. Iowa State University will assume all her expenses.

Youth Program:

The 4-H Program consumes 85% of the Youth Staffs' time at Iowa State University Area Extension Office. There are two professional youth staff workers at Iowa State University Area Extension Office. There are eight paraprofessionals on youth staff, one in each county. Youth from the ages of 9 to 19 years are eligible for the 4-H Program. The 4-H Program is based around local 4-H Clubs and local leaders. Thirty-three (33%) per cent of the potential 4-H youth in the area are in 4-H. This is well above average. The total enrollment of boys and girls in 4-H is 2,886 for the Creston area.

Outside of the traditional 4-H Program a Community Resource Development Youth Program will start this summer. It will be in Creston, Afton, Diagonal, Murray and Orient. This group will be called the Creston base. Also a program will be based in Madison County in Winterset, Earlham, East Peru, St. Charles, and Truro. There will be six college students for the Creston base and four college students in the Madison County base. Marilyn Werner will be in charge of these college students. The purpose of this Program is to involve youth between the ages of 13 and 18 in being concerned about their communities. Young people will define the needs and problems of the community as it relates to young people. The adults of the communities will participate in an advisory capacity.

This program has never been tried in Iowa or in the United States. It is hoped that each aide for the program will work with 30 to 40 kids. The Extension Service hopes to have 300 youth involved in the Creston base and 200 youth involved in the Madison County base. Citizenship and leadership will also be program areas.

Community Resource Development:

Mr. Bob Cole is the Specialist for Community Resource Development. They deal with the problems and needs of communities in the area as it relates to economic and social change.

A great deal of staff time in the last year and a half has been spent on rural water. Their goal has been to get good, clean running water to each farm.

Mr. Cole has also been working with city clerks and councils on converting to new budget procedures. They are converting from an obsolete method to a new system which can be computerized if desired. The Iowa State University Extension Services help the clerks and councils set up the system. Thirty-one towns out of the eight county area have been helped in a period of the months January through February.

Mr. Cole has also been working on educating people of this area on the legislation of the Land Use Policy. The Extension Service is educating them to the fact that there is a policy and why there is a need for one.

Iowa State Univeristy Extension Service has conducted Retail Business Seminars. These run three to four weeks, one night a week. Each program is designed for a specific town and its retail area. Interviews are held with consumer groups from the town to get their view and then interviews are conducted with merchants then Iowa State University Extension Service Staff helps them work with their strengths and weaknesses.

Some Programs using Iowa State University Extension Specialists are critical economic issues such as: inflation, food, and energy.

Community Resource Development does some work on leadership with group leaders. Iowa State University Extension Service provides leadership training to different agencies and organizations in terms of staff development. It also does a great deal of in-service training for other agencies.

Iowa State University Extension Services provided assistance for the Area Health Council. The Extension Service helped the Area Health Council start a structure to build up to what it is now.

Agriculture:

Iowa State University Extension Service provides education and service to farmers and agri business. The Extension Service assists the individual to become more proficient as a productive decision maker in the Iowa economy and society. There are aides located in five counties that deal with low resource farmers. The five Agriculture Aides are Farmers themselves. They are in Union, Taylor, Ringgold, Decatur and Clarke Counties. They work forty hours a week and are paid by Iowa State University. They are supervised by the County Extension Director. Each aide has thirty to forty farmers to work with.

Each County in the Midcrest Area has a County Extension Director. They have an Area Specialist available to assist them: Ray Powell, Farm Management Specialist; Stan Murdock, Crops Specialist; and Bob Ramsey, Livestock Specialist. These Agriculture Specialists are located at the Midcrest Area Extension Office.

Additional Programs:

Two programs which are a part of Iowa State University Extension Service's program are: (1) Center for Industrial Research and Service (CIRAS) - deals with problems of industry. Duane Dygart is Industrial Specialist. He works with the Creston and Council Bluffs areas and deals directly with industry. He will refer any problem he cannot answer to the CIRAS Office in Ames. (2) Off Campus Courses from Iowa State University. Graduate level courses are offered for credit in the Creston area. They are graduate level courses for Masters degree, Doctorate degree, and six year Specialist degree. The instructor comes from Ames to the Area. These instructors are all Iowa State University staff. The off campus courses are $70.00 per three quarter hours.

Area XIV Career Education Assessment Study
and
Iowa Social Services Meeting
March 7, 1975

Persons Present: Mr. Jim Steffensmeier, Department of Social Services; Betty Wargo, Department of Social Services; Mr. Jim Cross, Project Director, Career Education Assessment Study; and Mary Wilson, Project Coordinator

The group meet at the Department of Social Services in Creston and Mr. Cross explained our purpose and goals in the Career Education Assessment Study for Area XIV.

Mr. Steffensmeier gave us the following agencies that their department works with.

Day Care Center - is one agency that gets financial assistance from the government and these funds are channeled to them through the Department of Social Services. There are a number of day care centers throughout Area XIV. Mr. Don Williams if the supervisor who licenses these day care centers for operation.

Governor's Youth Opportunity Program - Youth between the ages of 14 and 18 who are either current recipients of ADC or disadvantaged are eligible to participate in the program. Fifty percent of the job slots must be filled with youth who are present ADC recipients. The remaining 50% can be disadvantaged youth.

The Department of Social Services helps pay the salaries of employed clients. Most employees for this program are schools in Area XIV.

Objectives of this program are:

A. To provide disadvantaged youth with supervised employment, educational, and cultural opportunities designed to assist them in staying in or returning to school; and

B. To provide local public and private, non-profit agencies with an extra supply of manpower so that they can better serve their communities.

At present there are 22 youth in the program. Thirteen of these are ADC recipients and there are nine potential recipients. A study was done by the Department of Social Services and according to their findings, over 200 youth are eligible for this program if they were identified.

A program is presently being set up to help delinquent students. A public school coordinator will have two social service districts in which he takes delinquent students personally to school and works with the student and the school district in getting a program set up of benefit and interest to each of his clients. This will encourage the student to stay in school. This coordinator will work through the youth service worker in each district.

CETA (Comprehensive Employment and Training Act) - The Department of Social Services direct clients to the CETA program to help place these clients.

Mr. Steffensmeier, Department of Social Services, recommended that all agencies might work with schools in the area of placement. It was also recommended that all agencies cooperate in evaluation of clients and placement in an exploratory program to find final employment interest of clients. The recommendation was made that maybe a center could be established for this evaluation in cooperation with all agencies and all schools and Southwestern Community College.

Vocational Rehabilitation - The Department of Social Services and Vocational Rehabilitation have more joint programs and clients than the Social Services Department has with CETA. Vocational Rehabilitation does psychiatric evaluations for Social Services' clients. The Vocational Rehabilitation has some resources available which the Department of Social Services does not have.

Iowa State Extension Services - This agency has nutrition aides that provide nutrition services to Social Service clients. The Homemaker-Home Health Aide Program is being run by Iowa State Extension Service. The Social Services Department is working closely with Southwestern Community College on training the Homemaker-Home Health Aides. Clients of Social Services can request information on possible programs available to them through the Extension Services.

Southwest Iowa Sheltered Workshop - The Southwest Iowa Sheltered Workshop has a purchase of services agreement with Social Services. This provides 75% federal funds for eligible clients participating in Southwest Iowa Sheltered Workshop activity. The Workshop's clients are referred to them through the Department of Social Services almost without exception. There are activity centers, an extension of the Sheltered Workshop, throughout Area XIV. Mr. Steffensmeier mentioned the Helping Hands Project in which high schools might want to send students to these centers for a certain length of time each day to help these clients on a one-to-one basis. Could high school students receive some academic credit for his or her assistance? He also stated we might look for additional ways in which the A.E.A., Southwestern Community College and school districts might help these clients. The possibility was mentioned once again of evaluation centers.

Southern Iowa Council of Governments - are involved in people oriented programs. The Area Agency on Aging sends information to the Department of Social Services on some possible priorities in planning. These agencies have some concern exchange on client reaction to programs. The Area Agency on Aging is responsible for the Congregate Meals Program being run throughout Area XIV. Transportation for aging persons is worked out cooperatively between the Department of Social Services, the Area Agency on Aging, and other cooperating agencies.

Mr. Steffensmeier mentioned the Handy Man Program in Adair and Ringgold counties which is jointly funded by these two counties. A suggestion from Mr. Steffensmeier was that Southwestern Community College might look at the possibility of preparing handymen with emphasis on retired farmers and older men with some basic skills already.

IETP (Individual Education and Training Plans) - is being provided for students enrolled through Southwestern Community College as of March 1, 1975. The following are being offered: 1 student in G.E.D., 6 in LPN, 2 in Media Technology, 1 in Electronics, 1 in Masonry, 4 in Office Occupations, 1 in Journalism, 1 in GED/Office Machines, 1 in Social Work, and 2 in Liberal Arts. In addition, five students are enrolled at Graceland College and one in high school. Betty Wargo stated that the GATB testing is used for preevaluation of clients to be placed in training programs. Women clients, Ms. Wargo also stated, feel at times that there aren't many avenues open to them. Betty suggested a "Career Education Day" so that clients can come to Southwestern Community College and see what is available. Mr. Cross will set up a Career Education Faculty meeting in which Betty can tell the faculty what she does and make the faculty aware of her clients needs and possible ways their programs might help. Ms. Wargo stated that the Department of Social Services help their clients in school with tuition, books, child care, transportation costs and an allowance.

The Department of Social Services work with hospitals and nursing homes in the seven counties. There is funding provided through Title 19. The Department of Social Services reviews nursing home care facilities. The Department also works with public health nurses and the Area Health Planning Council.

The Department of Social Services works with the Foster Parents Association. Foster children have their medical needs meet through Title 19. District associations have been established. Mr. Steffensmeier stated that the Association is working on a training program for foster parents and he felt that this might be an area in which schools and Southwestern Community College could work cooperatively with the Foster Parents Association.

The Department of Social Services also works with judges, attorneys, sheriffs, police departments, and juvenile probation officers.

Graceland College - Works with the Department of Social Services on training of social workers and nurses. They have had very good success with clients in these programs. A draw back is that it is expensive and therefore a deterrence to some clients. Mr. Steffensmeier would like to see something worked out with Southwestern Community College for possibly the first two years of basic academic training for a more feasible cost. The Department of Social Services, Southwestern Community College and Graceland could work cooperatively in planning for field placement in rural areas. They are presently being placed in the Kansas City area.

Some nursing homes provide social workers for their homes. The college might provide in-service training to these social workers.

MATURA Action Corporation
and
Area XIV Career Education Needs Assessment Study
Meeting Minutes
April 10, 1975

Persons Present: Mr. Joe Pals, Executive Director, MATURA; Mr. Harvey Davis, Community Specialist, MATURA; Mr. W.E. "Chub" Greenway, Team Manager, CETA; and Mrs. Mary Wilson, Coordinator, Area XIV Career Education Needs Assessment Study

MATURA Action Corporation is now in the process of change. MATURA used to be under OEO and they are now under the Community Services Administration. At present they are doing pretty much what has been done in the past until they receive further quide lines.

MATURA Action Corporation was incorporated as a private non-profit organization on September 28, 1965, and the office was opened on April 25, 1966, established as a Community Action Agency under Title II-A of the Economic Opportunity Act of 1964.

MATURA, through its various Federal and State funded programs, sponsors various projects for the low-income citizens of the six-county area to help them in becoming fully self-reliant citizens. Economic, educational and social opportunities are stressed.

Cost of operating the programs must be supplemented by 20% local share contributions in the form of rent-free space, cash or non-cash donations, services, or volunteer help. Local involvement by concerned citizens is stressed as a most important part of all MATURA's programs.

Coordination is developed and maintained with all other tax supported programs and institutions of the area to provide services and aid to solve problems of the low-income, the disadvantaged, and the aged.

The name MATURA is a composite of the first initial of the names of the six counties which comprise the MATURA are: Madison, Adair, Taylor, Union, Ringgold, and Adams.

Years of wrangling between the Administration and the Congress over the future of the Office of Economic Opportunity (OEO) and its programs ended on January 4, when President Ford signed the Community Services Act of 1974 into law.

The law establishes a new Community Services Administration (CSA) in the Executive Branch of the federal government, which becomes the successor agency to OEO. CSA programs will include Research and Demonstration, Urban and Rural Community Action Programs, special programs to combat poverty in rural areas and the Community Economic Development Program. Several programs have been transferred to the Dept. of Health, Education and Welfare (HEW), including Comprehensive Health Services, Head Start, Follow Through and Native American Programs.

Under the law, the President may submit a reorganization plan to the Congress after March 15, which, if not disapproved, would result in transferring CSA to HEW. If this happens, one of the CSA programs -- Community Economic Development -- would be the responsibility of the Director of a new Community Economic Development Administration in the Department of Commerce.

Congress will have 60 days (March 15 - May 15) to disapprove the plan, which must be in the form of a joint resolution requiring only a simple majority. If the President vetoes the joint resolution, the Congress can then over-ride the veto with the usual two-thirds vote. If this happens, CSA would then remain an independent agency in the Executive Branch.

There are several new programs in the act, including establishment of Demonstration Community Partnership Agreements. Under this program, activities initiated by Community Action Agencies and state or local public or private agencies to provide for new programs, or to supplement existing programs, may be financed by the Director of CSA on a 50-50 cash matching basis. State and/or local governments must provide 50 percent matching funds in cash; CSA will provide the other 50 percent. The act authorizes $50 million to be appropriated in fiscal 1975 for this program.

Neighborhood Services System - The Office of Economic Opportunity has provided the funds and wrote the guidelines for the programs and activities of the Neighborhood Service Centers of MATURA. Six Service Centers are operated, one in each of the six counties, located in Winterset, Greenfield, Corning, Creston, Mount Ayr and Bedford had a Neighborhood Service Center which is now a Transportation Center. One supervisor heads each Center and is assisted by an Outreach Aide and other part-time help. Volunteers are a vital part of this system. The Supervisors and Outreach Workers are involved in providing referral services to the low-income citizens of their respective counties. Contact with these families and individuals is made and maintained in an effort to determine their needs and the person is referred to the local, county or state agency for the services to aid them. Follow-up is made periodically to ascertain whether services were received and to aid with the problems.

Social activities are planned in the Centers to provide enrichment to the low-income -- both families and Senior Citizens groups. This is a necessary function for their benefit. Many other activities are a part of the operation of the Neighborhood Centers, though not actually funded by MATURA funds. Social groups of the counties are invited to use the facilities for meetings, educational programs, etc. Used clothing exchanges, hobby clubs, crafts classes and many other activities are sponsored in the Centers for the benefit of the program participants and area residents.

Economic Development Program - has been discontinued.

Neighborhood Youth Corps - has been discontinued as it was in the past but it probably will be a summer program this year. CETA has taken the place of the Neighborhood Youth Corps.

MATURA Action Corp. had an EPC Winterization Program this past winter. They hope to get an expanded funding grant for next winter. This program was for low-income families in which window covering, weather stripping, cålking materials, etc. were provided for 130 dwellings. Forty-eight volunteers installed the materials. This was an effort to conserve energy for the low-income family. Participating volunteers were: Boy Scouts, Lions Club, FFA, 4-H, Senior Citizens Groups and the Handy Man Service.

Attached is a list of the MATURA Central Office Staff and people who are using MATURA office space.

Raw Food Program - was a grant provided MATURA in which they divided monies between Service Directors in their six counties. Each Director used his money as he saw fit to purchase food for low-income people in his county. MATURA hopes to get another grant of this type with more extensive funding for next year.

MATURA is providing adult education in nutrition out of the service centers with the cooperation of Southwestern Community College and the Area Health Council.

Bedford has a Transportation Project in which the elderly are transported from their homes to get medical attention.

Corning Neighborhood Service Center provides a bus for the elderly twice a week. It goes to Carbon and other small surrounding towns and takes the elderly for groceries, medical assistance, etc.

MATURA's Board of Directors is composed of 1/3 elected, 1/3 poor, and 1/3 other (ministers, businesspersons or housewives). Each county Board of Supervisors has one of its members on the MATURA Board of Directors.

The prime objective of MATURA is to help disadvantaged people. MATURA's goal was to contact 6,000 people for the year. Approximately 7,000 have been contacted through MATURA.

The Rural Youth Program has been discontinued. It was operated under the Department of Labor. This program has operated from 1966 until just recently. It included a summer program as well as an in-school program.

CETA (Comprehensive Employment and Training Act) - The Governor has designated the Office for Planning and Programming in Des Moines as the lead Agency in implementing and operating CETA for the Balance-of-state. In order to make this program as beneficial as possible in the various localities, fifteen program teams have been established across the Balance-of-state to carry out CETA activities.

The CETA program replaces most manpower initiatives previously sponsored by local Community Action Agencies, Training Institutions and the Employment Service. Local Employment Security Agencies will continue to provide direct job referrals upon request and will continue to operate Work Incentive Programs for state welfare clients. All other manpower development services will be carried out under the area CETA operations team.

The CETA program is designed to provide participants with any services that would help them in meeting the occupational requirements of an organization. While in training, individuals can receive dependent care, transportation assistance, tools, uniforms and other services that are occupationally related.

CETA works with unemployed, underemployed, or economically disadvantaged people. CETA is composed as a team to recruit, job develop, and train these individuals. CETA offers on-the-job training contracts in public or private sectors. Individualized training through Southwestern Community College can be provided. At present, there are not many people out of the CETA Program in the college for training because of the cost factor. Application is made to the Department of Public Instruction for the CETA client to attend Southwestern Community College. The Department of Public Instruction negotiates tuition, etc. with the college. The client receives minimum wage ($2.10) for class hours attended, travel expense, and day care center expenses for mothers under the program.

Anything in Area XIV in regard to Manpower in training is under CETA. There are no state employees on the CETA team. Per client cost at present is $2,025. There are twenty-three clients in CETA as of March 31. Most of these clients are on-the-job. Everything CETA does with businesses or schools for their clients is by contract.

Governor's Youth Opportunity - The State of Iowa, under the sponsorship of the Governor, instituted a new youth-oriented program in May 1972. The Governor's Youth Opportunity Program (GYOP) began operation through MATURA in June 1972 to provide disadvantaged youth with supervised employment, educational and cultural opportunities designed to assist them in staying in or returning to school; and to provide local public and private non-profit agencies with an extra supply of manpower so that they can better serve their communities youth between the ages of 14 and 18 years of age who are from low-income, potentially low-income or otherwise disadvantaged families are enrolled. The co-sponsoring agencies provide 25% of the funds for each youth they sponsor and the State of Iowa provides the rest. The youth are paid the current minimum wage for the number of hours they are scheduled as an incentive to continue work while they continue their educations. Along with the work experience, they also receive counseling related to the work experience, personal money management, good grooming, health and other areas of personal concern.

Governor's Dropout Program - Funding was received November 1970 for a program aimed at the school dropouts from the State of Iowa. The Governor's Dropout Program provides counseling service and guidance to youths who have dropped out of school in an effort to determine what problems and needs these youths have, assistance to find ways to resolve these problems, and encouragement to continue their educations by returning to school or completing the GED course to earn their High School Equivalency certificates.

An effort is made to place these dropouts in jobs, either through the Neighborhood Youth Corps program or in other public services. The overall emphasis is on upgrading the educational and vocational achievement of the dropout to become self-reliant. Target group is 16 to 18 year old low-income youth.

Head Start Program - is operating in three towns: Bedford, Corning and Mount Ayr. There are presently 60 enrollees. The pre-school children of the low-income families of this area are also benefiting from the MATURA programs through our Head Start Program classes. Children between the ages of 3 and 5 are eligible for enrollment, with primary emphasis directed towards those who will be enrolling the following year in the school kindergarten classes.

Classes have been held in the past years during both a summer month program and a Full-Year Part-Day Program. Future plans indicate an expanded Full-Year Part-Day Program with some new units started to serve more area. Each class serves approximately 20 children.

Children are enrolled for the prupose of providing them with health services including medical and dental care, educational and cultural experiences so that they will begin school at more nearly the same level of development as their more advantaged classmates. The program strongly stresses parent involvement through participation in Parent Advisory Councils and volunteer help in the program activities.

This program is funded through the Office of Child Development of the Department of Health, Education and Welfare and has been a part of the MATURA programs since 1967.

MATURA Action Corporation
Community Services Administration
(Formerly OEO)

MATURA Central Office Staff
782-8431

Joe Pals	Executive Director
Doyle Denhart	Social Service Coordinator
Harvey Davis	Community Specialist
June West	Office Manager
Beverly Slaten	Bookkeeper
Janice Bowers	Clerk/Steno

Adair County
734-2424

Lenora Wilson	Center Supervisor
Fern Burkheimer	Part-Time Aid

Adams County
322-4096

Jean Brown	Center Supervisor
Clara Reed Part-Time	Aid

Madison County
462-4704

Louise Forsyth	Center Supervisor
Clara Overdyk	Center Aid

Ringgold County
464-2682

Mary Cavin	Center Supervisor

Taylor County

Marjorie Evans	333-4418	Transportation Aid
Monica Mohler	712/523-3294	Transportation Aid

Union County
782-2931

Marjorie Drorbaugh	Center Supervisor
Milree Balius Part-Time	Aid

Governor's Youth Opportunity Program
782-8431

Ruth Frey	Counselor/Coordinator

MATURA Head Start Program

Barbara Anderson	782-8431	Director
Anna Mae Rawls	782-8431	Social Service/Parent Involvement Coordinator

Bedford Head Start Center
712/523-3407

Norma Green	Teacher
Rose Rucker	Teacher Aid

Corning Head Start Center
322-3831

Helen Westlake	Teacher
Ruth R. Smith	Teacher Aide
Lloyd Leonard	Transportation

Mt. Ayr Head Start Center
464-3447

Carol Weeda	Teacher
Mary Swank	Teacher Aide
Dola Doser	Transportation

Contract services for Head Start

Janet Goldsmith	Nurse
Tom Freeman	Psychologist
Martha Spillman	Nutritionist
Darlene Wight	Speech Clinician

Office Space Provided but not Staff

Norma Donnellan	Family Planning Program Developer Planned Parenthood of Iowa

Comprehensive Education and Training Act CETA 782-8434

Team housed in MATURA Office. Team members on MATURA Staff on loan to CETA.

W. E. "Chub" Greenway	Team Manager
Richard E. Grose	Generalist
Judy Briner	Clerk/Steno

Neighborhood Centers space provide for the following agencies for services and/or classes:

Army Recruiters, Social Security Administration, Handyman Referral, Southwestern Community College Classes on Nutrition and homemaking, GED Classes, Community Meeting, CETA Team for interviews, etc.

V. LOCAL SCHOOL NEEDS

LOCAL SCHOOL NEEDS

The experiences of local schools pertinent to Career Education have been reviewed and surveyed through both teacher and administrative surveys in this Study.

In determining local school needs in Career Education for Merged Area XIV, it is generally felt through discussion sessions and Working Committee input, that these needs can best be determined at the local level through local Boards. However, in reviewing those surveys from each school district, both in terms of student interest and in terms of educational programs now being offered, that although in many cases instruction is not being called Career Education that, in fact, some of the programs are.

See the Working Committee Minutes, Student Surveys, Teacher Surveys, and also the list of D.P.I. approved course offerings for Area XIV schools for local school needs. In reviewing the need for more Career Education program offerings, that although the area school can assist in providing Career Education, local school districts could and should, in fact, work cooperatively to provide some programming for themselves.

LOCAL SCHOOL NEEDS (Cont.)

Most local school districts could provide a preparatory program through cooperative vocational education using local businesses and industry as training stations. In some cases, however, school districts are so small that they should possibly consider a cooperative effort between themselves and another school district to provide this educational program.

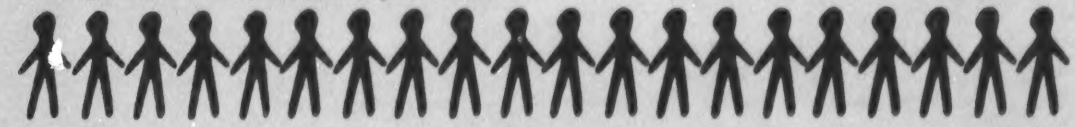
Administrators, faculty, and Boards must be apprised of the Career Education philosophy and its inner workings so they will be better able to provide the leadership and direction toward this end. Therefore, a great need exists for in-service development and workshops oriented towards this end.

TABLE XXV

Especially in secondary schools the curriculum is typically not realistic in terms of meeting student career needs.

WHAT'S HAPPENING TO THE STUDENTS?

1. Dropouts from U.S. secondary schools



24% drop out of school before graduation

76% actually graduate

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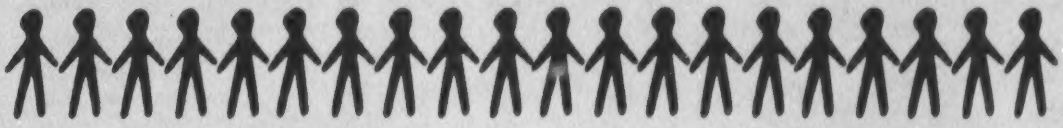
2. Choice of curriculum among U.S. secondary school students



76% are enrolled in college preparatory or general curriculum programs

24% are enrolled in vocational education programs

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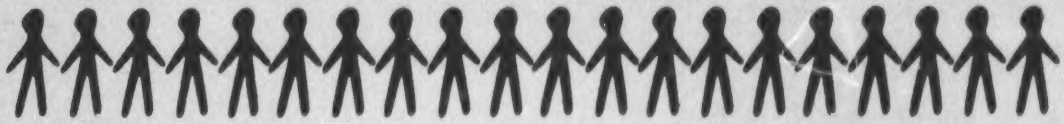
3. Relatively few U.S. secondary school students graduate from college



23% will graduate from college

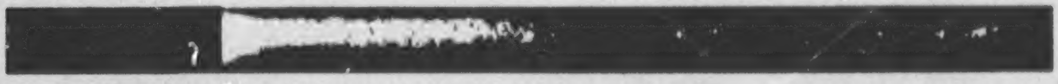
77% will not graduate from college

Source: *Digest of Educational Statistics, 1974 Edition*, Office of Education, U.S. Department of Health, Education and Welfare.

THEREFORE: We need CAREER EDUCATION for all students to reduce the gap between unrealistic educational programs and career needs.

Jobs in the 70's demand specialized training, not necessarily a college degree.

U.S. JOB OPENINGS DURING THE 70'S



20% of jobs require a 4-year college degree

80% of jobs require a high school diploma or training beyond high school but less than 4 years of college

Source: U.S. Department of Labor.

THERKFORE: We need CAREER EDUCATION to provide students with insight, information and motivation concerning specialized training as well as professional education.

Source: "Career Education" by Chamber of Commerce of the United States

TABLE XXVI

Area XIV Career Education Needs Assessment Study

Career Education Attitude Survey

A basic instrument of thirteen items was submitted to parents of senior students in six different school districts of Area XIV. The six schools were: Prescott, East Union (Afton), Corning, Bridgewater-Fontanelle, Red Oak, and Lenox.

The specific objective of the career education instrument was to identify the parental expectations of the school system of their community in terms of the basic components of career education.

Two hundred seventy-two (272) surveys were sent and seventy-four (74) were returned.

Statements 1 through 3 deal with those learning activities involved in the self as a basic component of career education.

Statements 4 through 9 deal with those aspects of the world of work.

Statements 10-12 deal with career planning.

Statement 13 deals with skill building.

The following questions were asked:

Our school should provide:

1. activities which help students develop a healthy value system
2. activities which help students develop positive feelings about themselves.
3. activities which help students develop vocational interests.
4. activities that helped students in choosing careers in line with their own abilities, interests, and goals.
5. activities which help students learn to make proper use of their leisure time.
6. activities which help them learn about the world of work.
7. activities which help students develop positive attitudes toward work.
8. activities which teach students to appreciate the dignity and value of work.
9. activities which help students understand the economic nature of the nation.
10. activities which help students plan careers.
11. activities which help students select careers.
12. activities which help students learn about the relationship between education and work.
13. activities which help students learn skills that they will be able to use in their chosen careers.

TABLE XXVI (Cont.)

Area XIV Career Education Need Assessment Study
Parent Attitude Survey
for
Six Area XIV Schools

Question	Strongly Agree	Agree	Disagree	Strongly Disagree	No Response
1.	50	22	1	0	1
2.	47	25	1	1	0
3.	54	19	1	0	0
4.	59	14	1	0	0
5.	28	36	8	0	2
6.	44	29	0	0	1
7.	54	18	1	0	1
8.	55	18	0	0	1
9.	40	34	0	0	0
10.	52	22	0	0	0
11.	43	28	3	0	0
12.	37	36	0	0	1
13.	51	23	0	0	0

* 272 surveys sent
72 returned

TABLE XXVI (Cont.)

Area XIV Career Education Needs Assessment Study
Parent Attitude Survey
For
Lenox Community School

Question	Strongly Agree	Agree	Strongly Disagree	Disagree	NorResponse
1.	6	5	0	0	0
2.	6	5	0	0	0
3.	7	3	0	1	0
4.	6	4	0	1	0
5.	2	8	0	1	0
6.	1	10	0	0	0
7.	5	6	0	0	0
8.	6	5	0	0	0
9.	3	8	0	0	0
10.	6	5	0	0	0
11.	6	5	0	0	0
12.	3	8	0	0	0
13.	7	4	0	0	0

* 42 surveys sent
11 returned

TABLE XXVI (Cont.)

Area XIV Career Education Needs Assessment Study
Parent Attitude Survey
For
East Union Community School

Question	Strongly Agree	Agree	Strongly Disagree	Disagree	No Response
1.	11	3	0	0	0
2.	9	4	1	0	0
3.	11	3	0	0	0
4.	13	1	0	0	0
5.	7	7	0	0	0
6.	9	5	0	0	0
7.	10	4	0	0	0
8.	11	3	0	0	0
9.	6	8	0	0	0
10.	9	5	0	0	0
11.	7	7	0	0	0
12.	6	8	0	0	0
13.	9	5	0	0	0

* 50 Surveys sent out
14 returned

TABLE XXVI (Cont.)

Area XIV Career Education Needs Assessment Study
Parent Attitude Survey
For
Bridgewater-Fontanelle Community School

Question	Strongly Agree	Agree	Strongly Disagree	Disagree	No Response
1.	11	5	0	0	0
2.	9	7	0	0	0
3.	13	3	0	0	0
4.	13	3	0	0	0
5.	5	8	3	0	0
6.	13	3	0	0	0
7.	12	4	0	0	0
8.	12	4	0	0	0
9.	9	7	0	0	0
10.	12	4	0	0	0
11.	10	3	3	0	0
12.	8	8	0	0	0
13.	14	2	0	0	0

* 41 surveys sent
16 returned

TABLE XXVI (Cont.)

Area XIV Career Education Need Assessment Study
Parent Attitude Survey
For
Red Oak Community School

Question	Strongly Agree	Agree	Strongly Disagree	Disagree	No Response
1.	6	4	0	0	1
2.	8	3	0	0	0
3.	6	5	0	0	0
4.	8	3	0	0	0
5.	3	5		1	2
6.	6	4	0	0	1
7.	8	2	0	0	1
8.	8	2	0	0	1
9.	6	5	0	0	0
10.	8	3	0	0	0
11.	7	4	0	0	0
12.	7	3	0	0	1
13.	6	5	0	0	0

* 59 surveys sent
11 returned

TABLE XXVI (Cont.)

Area XIV Career Education Needs Assessment Study
Parent Attitude Survey
For
Prescott Community School

Question	Strongly Agree	Agree	Strongly Disagree	Disagree	No Response
1.	1	3	0	0	0
2.	1	2	1	0	0
3.	3	1	0	0	0
4.	4	0	0	0	0
5.	2	2	0	0	0
6.	4	0	0	0	0
7.	3	0	1	0	0
8.	2	2	0	0	0
9.	3	1	0	0	0
10.	4	0	0	0	0
11.	3	1	0	0	0
12.	2	2	0	0	0
13.	3	1	0	0	0

* 11 surveys sent
4 returned

TABLE XXVI (Cont.)

Area XIV Career Education Need Assessment Study
Parent Attitude Survey
For
Corning Community School

Question	Strongly Agree	Agree	Disagree	Strongly Disagree	No Response
1.	16	2	1	0	0
2.	14	4	0	0	0
3.	14	4	0	0	0
4.	15	3	0	0	0
5.	9	6	3	0	0
6.	11	7	0	0	0
7.	16	2	0	0	0
8.	16	2	0	0	0
9.	13	5	0	0	0
10.	13	5	0	0	0
11.	10	8	0	0	0
12.	12	6	0	0	0
13.	12	6	0	0	0

* 69 surveys sent
18 answered

TABLE XXVII

Area XIV Career Education Needs Assessment Study
Area XIV Teachers Surveys

There are twenty-two schools in Area XIV. Approximately 10% of each school's teaching staff was surveyed. Out of the 10%, a sampling was taken of the elementary, junior high and senior high staff.

One hundred nine (109) teacher surveys were sent out. Ninety-one (94) were returned.

The following results are for all schools.

Area XIV Career Education Needs Assessment Study
Area XIV Teacher Surveys

Questions:	No Help	Little Help	Some Help	Much Help	Great Help
1. My classes help students learn the meaning of jobs and work.	2	9	39	32	11
2. My classes help students see their strengths and interests when they are thinking about choosing a job.	8	19	38	22	6
3. My classes have activities that help students choose a group of jobs to study.	12	21	35	17	8
4. My classes help students recognize and understand those things in their life that are important to them.	0	4	28	48	10
5. My classes help students paln to get the skills they need to know in the job they are planning for.	5	17	45	20	9
6. My classes help students see the special skills needed by people who work in various jobs.	3	15	38	26	10
7. My classes help students discover their interests, abilities, and feelings that relate to a group of jobs that they think they might like to work in.	3	24	36	25	6
8. My classes help students see that a person's standard of living depends on the kind of job he has as a wage earner.	10	17	29	27	5
9. My classes help students see that school is a form of a job where success in basic skills is needed to be successful in whatever they are going to do.	0	5	20	50	19
10. My classes provide experiences for students to use tools and equipment that are used in various groups of jobs.	17	24	21	17	8
11. My classes help students get the skills that are basic to a single job they are planning for.	19	29	25	15	5
12. My classes help students match their interests and abilities with the skills that are needed in groups of jobs.	11	28	33	19	3
13. My classes help students see how their personalities may fit one kind of job more than another kind of job.	7	25	35	22	4
14. My classes have activities showing students why certain types of jobs require more education and training than other kinds of jobs.	6	24	31	28	5
Totals	103	261	453	368	109

Area XIV Career Education Needs Assessment Study
Area XIV Teacher Survey

Questions:	Agree	Disagree
15. The career education concept helps students in all grade levels and all subjects.	75	14
16. The career education concept helps students who are preparing for job entry or vocational-technical education immediately after graduation.	88	5
17. The career education concept helps students who are preparing to enter a four-year college or university.	88	5
18. The career education concept is useful as a tool to motivate student learning.	87	7
19. The career education concept can be implemented in my school district without outside help.	36	52
20. Initiation of the career education concept will cause unusual changes in the school curriculum.	33	53
21. The career education concept is being implemented in my classes.	65	24
TOTALS	472	160

22. Please indicate your sex

Female	Male
60	34

23. Years of education work experience.

1-5	6-10	11-20	21-30	over 30
25	19	16	23	13

24. Years of non-educational work experience.

1-5	6-10	11-20	21-30	over 30
41	25	9	7	4

25 Career Education information received from following sources:

Journals	films	in-service sessions	seminars	college courses
75	48	61	19	44

27. Subjects Taught:

English, Math Science	Fine arts foreign language	P.E.	Practical Arts	Social Studies
61	7	9	30	31

TABLE XXVIII

Area XIV Career Education Needs Assessment Study
Administrative Surveys
All Schools of Area XIV

I. Committment to Career Education

A. Formal written policy statement?

Yes	No
6	14

II. Staff In-service Training in Career Education

	Number of Schools Involved	
	Elem./Junior High	High School
Administrative directed and planned		
a. Pre-school workshop	10	9
b. During Academic year	4	12
c. During summer months	3	3
Teacher/Counselor directed and planned		
a. Preschool workshop	0	2
b. During academicyyear	1	4
c. During summer months	0	0
Joint Committee (Admini-Tchr.) directed & planned		
a. Pre-school workshop	3	7
b. During academic year	3	7
c. During summer months	3	3

Number of school districts returning Administrative Surveys 20 out of 22 schools.

Number of school districts indicating no career education In-service - 6

Number of school districts indicating some career education In-service - 14

2. Methods Or Resources Used In The In-Service Program.

a. Speaker - 14 schools
b. Team of Consultants - 10 schools
c. Staff making career visits into the community - 4 schools
d. Multi-media presentations - 12 schools
e. Role play or simulation - 5 schools
f. Other - Discussions and staff committees - 3 schools

3. Evaluation of Career Education In-Service Completed

	Number of Principals Responding	
Rating	Elem./Junior High	High School
Excellent	3	3
Good	2	2
Fair	1	4
Poor		2

III. Curriculum Development

A. Integration of Career Education Concept Into the Curriculum

1. Are you using commercially prepared materials?

	Yes	No
Elem./Jr. H. Princ.	7	2
High School Princ.	8	4

2. Are you using staff prepared materials?

	Yes	No
Elem./Jr.H. Princ.	7	2
High School Princ.	15	2

3. Is the Career Education curriculum coordinated K-12?

	Yes	No
Elem./Jr.H. Princ.	2	7
H.S. Princ.	4	13

4. Do you use resource persons in curriculum development?

	Yes	No
Elem./Jr.H. Princ.	5	4
High School Princ.	11	6

B. Evaluation Method to Ascertain Student's Education Needs

Methods Used:

1. Interviews with students

	Yes	No
Elem./Jr.H. Princ.	2	4
High School Princ.	7	4
Counselors	9	

2. Student Surveys

	Yes	No
Elem./Jr.H. Princ.	4	1
High School Princ.	7	3
Counselors	7	2

3. Study of employment opportunities

	Yes	No
Elem./Jr.H. Princ.	3	2
High School Princ.	6	2
Counselors	8	

4. Review of student's personal cumulative records

	Yes	No
Elem./Jr.H. Princ.	3	2
High School Princ.	9	
Counselors	9	

5. Other: Following are some of the comments relative to ascertaining students' career education needs that the principals and counselors gave.

H.S. Principals:

a. Interviews with employees
b. Interest tests, exploration
c. Follow-up studies are used

Elementary Principal/ Junior High Principals:

a. SRA Youth Inventory done
b. Information from casual visits with students plus indications students give during large group discussions

C. Job-seeking skills are:

	Elem/Jr. H. Princ.	H.S. Princ.	Cour
1. Integrated into the curriculum	5	12	6
2. Taught as separate entity			1
3. or both (#1 and #2)	1	6	3
4. Not taught	4		

D. Suggestions For Career Education Curriculum Development

Superintendents:

a. Workshop -- summer and during school year
b. Samples from other schools for ideas
c. More commercial materials

Elementary/ Junior High Principals:

a. Work in future with Area XIV on this
b. Curriculum meeting
c. Plan on overall structure for the K-5 area so Career Education is a continous developmental process.

Elementary/Junior High Principals:

d. Emphasis at K-5 level should be on the "awareness" of the many career opportunities
e. Composite of type of jobs available in surrounding areas
f. Staff personnel that could be called upon from Area XIV to visit schools to relate career information
g. Career day for 8th and 9th grade people where they could actually see the job skills in action
h. Expand

High School Principals:

a. Development of objectives of program for K-12
b. More exploratory work grades 11-12 especially
c. Work with A.E.A. Area XIV
d. Student interest survey
e. Parent interest survey
f. More available money
g. Wider variance of course offerings
h. Greater emphasis on career prep.
i. Through guidance office
j. Career days in near by college
k. Coordination of Junior High and High School Program.

Counselors:

a. More work study
b. Begin at Kindergarten
c. More emphasis on personal and social responsibilities
d. Concentration of basic skills and critical analysis
e. Allow teachers to be teachers
f. Implement in elementary curriculum
g. Make teachers aware of importance of career education.
h. Start program at high school level
i. More felxible scheduling
j. Convince the administration it is important
k. Career fair

IV. Use of Career Visits (Field Trips)

A. Does the school board have a policy on career visits?

	Yes	No
Ele/Jr.H. Princ.	4	5
High School Princ.	6	11
Counselors	8	4

B. With the current emphasis on Career Education, has there been a review of this policy?

	Yes	No
Elem/Jr. H. Princ.	2	1
High School Princ.	11	4
Counselors	9	2

C. Are career visits coordinated by grade level and content.

	Yes	No
Elem/ Jr. H. Princ.	9	1
High School Princ.	11	4
Counselors	9	2

D. Areas of improvement for more extensive use of career visits.

Superintendents:

a. Set up in fall of 1975
b. Ideas of "other places" to visit that have been good experiences
c. List of what is available

Elementary/Junior High Principals:

a. Coordination between grade levels
b. Listing of local careers
c. List available persons to explain own careers
d. Expanding program
e. Problem of student behavior, time and transportation

High School Principals:

a. More utilization of area resources
b. More specialists in classroom
c. Use community as classroom
d. More planning
e. Extend length of the school day so one can find time to get all the activities, lessons, career visits, etc. into a normal day.

Counselors:

a. More involvement of Junior level students
b. Joint effort with Southwestern Community College
c. A system to get more high school students involved

V. Use of Community Resource People

A. Does the school board have a policy on use of community resource persons?

	Yes	No
Elem/Junior High Princ.	2	6
High School Princ.	3	13
Counselors	4	9

B. With the current emphasis on career education, has there been a review of this policy?

	Yes	No
Elem/Junior High Princ.	2	6
High School Princ.	4	11
Counselors	2	11

C. Administration -- Are teachers encouraged to use community resource persons?

	Yes	No
Elem/Junior High Princ.	11	0
High School Princ.	17	0

Counselors -- Do you use community resource persons?

	Yes	No
Counselors	16	0

Comments that the counselors made relative to the use of community resource persons: A. Mini courses and other opportunities are used.

D. Is the use of community resource persons coordinated by grade level and subject matter content?

	Yes	No
Elem/Junior High Princ.	8	2
High School Princ.	9	9
Counselors	7	5

E. Areas for improvement or more extensive use of community resource persons.

Superintendents:

a. List of what is available
b. Area wide list of available resource people
c. In coordination with guidance program for fall of 1975

High School Principals:

a. More utilization
b. May be used on mini courses

Elementary/Junior High Principals:

a. Greater awareness of people available
b. Each school should try to involve parents and build a positive attitude in children that all work done well is honorable

Counselors:

a. More communications
b. Make a list of community resource persons for teachers
c. Use of local people more in classroom situations
d. More utilization of area resources

VI. Counselor Activities in Career Education

A. Does the counselor assist in planning career visits (Field Trips)?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	1	8
Counselors	6	2

B. Does the counselor assist in coordinating use of community resource persons?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	6	6
Counselor	8	0

C. Does the counselor assist in Career curriculum development?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	8	3
Counselors	6	2

D. Does the counselor assist students in self awareness as it related to career education?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	9	0
Counselors	6	0

E. Does the counselor assist in understanding the educational alternatives?

	Yes	No
Elem./Junior High Princ.	1	0
High School Princ.	11	0
Counselors	8	0

F. Does the counselor assist students in awareness of world of work?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	11	0
Counselors	8	0

G. Does the counselor assist in knowledge of skills and beginning competencies needed?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	11	0
Counselors	8	0

H. Does the counselor assist the student in directing him for exposure to employability skills?

	Yes	No
Elem/Junior High Princ.	1	0
High School Princ.	11	0
Counselors	8	0

VII. Career Laboratory Facilities

It was not attempted to identify the complete number of course offerings in the various curriculae of the schools represented in Area XIV. An attempt was made, however, to have a fairly representative sampling of the curriculae offered. Three objectives were in mind:

1. To compare the junior high laboratories with the senior high career laboratories as far as availability to the students irregardless of sex.

2. To define rally how far the schools had proceeded in making the various career laboratories available to students on a co-ed basis with no sex discrimination.

3. To define how available the career laboratories are available to the special education population.)

A. Junior High

1. Career Laboratories Available

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
a. Home Economics	1	7	12	8
b. Industrial Arts	4	1	10	7

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
1. woodworking	6	2	9	7
2. metals	5	1	6	4
3. mechanics	2	1	5	2
4. plastics	1	1	4	2
5. drafting				
6. leather	1			
c. Typing	1	1	11	3
d. Agriculture	1		8	3
e. Arts & crafts			6	1

2. Career Laboratories Needing Improvement Or More Extensive Development. (Comments of Administration)

    a. Need to implement, expecially home ec. and industrial arts in Junior High
    b. More exploratory areas
    c. In coordination with guidance program for fall 1975
    d. All
    e. Business -- good but more extensive
    f. Agriculture laboratories

B. High School

1. Career Laboratories Available

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
a. Drafting			19	5
b. Metal shop	3		14	5
c. Wood Shop	1		16	4
d. Agriculture Mechanics	2		12	3
e. Automotive Mechanics	3		11	3

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
f. Computer programming data processing		1	3	
g. Building trades (carpentry, plumbing, masonry, elect.)	2		9	3
h. Electricity	3		10	2
i. Electronics	1		5	1
j. General shop	1		15	4
k. Horticulture	2		6	3
l. General mechanics	3	1	7	3
m. Nursing		1	2	
n. Photography			6	
o. Trades & industry	1		3	3
p. Business Occupations			1	
1. Bookkeeping			18	4
2. Journalism			9	2
3. Office machines			17	3
4. Office practice	2		16	3
5. Publications			14	1
6. Salesmanship			3	1
7. Shorthand			19	2
8. Typing			17	5
q. Home Economics				
1. Child development		5	14	5
2. Clothing		5	15	5
3. Foods	1	3	17	5

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
4. Home Ec.		4	14	6
5. Tailoring		3	11	4
6. Family Living		4	14	5
7. Bachelor Living	2			1
r. On-Job-Training Program				
1. Distributive Education			2	1
2. Office Education		1	4	
3. Agriculture Education	1	1	5	
4. Trades & Industries			6	
s. Work Release Program			6	1
t. Special Education			5	2

How are student's career needs being met

1. Educable
    - a. Remedial reading
    - b. Two students at Sheltered Workshop in Afton
    - c. Visitations of limited basis (Field Trips)
    - d. Work experience
    - e. Functioning in regular curriculum as much as possible
    - f. Transport students to classes in Red Oak
    - G. Mostly through discussion of possible jobs
    - h. Some job exploration
    - i. Mainstreaming and self contained classroom
    - j. Vocational Rehabilitation working in community
    - k. College prep for furthering vocational plans
    - l. Liberal plan of class schedules to meet students' wants and desires for their training
    - m. Education to help meet the demands of the rapidly changing society.

    n. Special classroom activities and field trips
    o. Referral to A.E.A.
    p. Our Special Education attend Central Decatur Center
    q. Project discovery

2. Trainable:
    a. Excellent Vocational-Technical building and courses
    b. Education to fit the wants and needs of the individuals to help him meet the demands of society and to facilitate the individual's need for a happy, normal life.

u. Career Laboratories Needing Improvement or More Extensive Development.

Superintendents:

a. Small business comparable to careers in our smaller communities
b. Courses promoting the fundamentals used in everyday home life and or business

High School Principals:

a. More space and equipment in general shop area
b. All

Counselors:

a. General mechanics, nursing, trade and industry, on-the-job training, work release program
b. Less duplication and measurable specification
c. Need better vocational training program

VIII. A. Rank in priority order (1,2,3,4,5) the following Career Education needs as applicable to your school.

	Elem/Jr.H. Prin.	H.S. Prin.	Coun.	Supts.
1. Staff In-service	3	1	2	2
2. Curriculum development	1	2	1	1
3. Coordinated use of career visits	2	4	4	4
4. Effective use of community resource people	4	5	3	5
5. Coordinated use of career laboratories	5	3	5	3

B. What do you see as additional Career Education needs in your system?

Superintendents:

a. Integration into total program without giving too much individual emphasis.
b. A.E.A. assistance
c. Federal and state special needs money
d. Acceptance by staff
e. Getting it integrated in our present curriculum
f. More use of community resource people
g. Extend field trips
h. Extend courses with Southwestern Community College

Elementary/Junior High Principals:

a. Courses of study guide and a good set of commercial materials would get us a good start.
b. A follow-up of in-service meetings would give us the opportunity to make adjustments in the program.
c. Get organized
d. We are in the process of assessing this point

High School Principals:

a. Especially staff in-service and curriculum development
b. Voc.-Ag. program
c. Anything and everything
d. Time
e. Work study program
f. Special Education program
g. A complete evaluation, recommendation and implementation of program
h. More lab experiences especially 7-9 grades
i. More exploratory work, especially 11-12 grades
j. More coordinated curriculum K-12
k. More staff in shop

Counselors:

a. More programs and facilties
b. Larger staff
c. More career laboratories for girls

Counselors (Cont.)

d. More teachers involved
e. Time: Starting program
f. Rural -- urban awareness
g. A unit needs to be developed on presenting oneself to a possible employer
h. Less smoke and more fire
i. Career Education workshops for teachers, counselor, administrators
j. Cooperation with other schools to improve and expand Career Education
k. More Career laboratories
l. A more coordinated effort

C. Will your present school schedule allow release time for cooperative inter-school exploratory or preparatory career laboratory experiences for:

Junior High	Yes	7
	No	11
Freshmen	Yes	6
	No	11
Sophomore	Yes	8
	No	11
Juniors	Yes	10
	No	9
Seniors	Yes	14
	No	5

D. Would transportation be a major problem if cooperative inter-school exploratory or preparatory career laboratories were planned?

	Yes	No
Elementary/Junior High Princ.	2	2
High School Princ.	10	5
Superintendents	9	5

*High School Principals comments relative to transportation:

a. Transportation would not be a problem if within their own community

TABLE XXIX

PROGRAM TITLES

1973-74 CE-4 Reimbursement File

01.01010000	Animal Science
01.01020000	Plant Science
01.01030000	Farm Mechanics
01.01040000	Farm Business Management
01.02000000	Agricultural Supplies/Services
01.03000000	Agricultural Mechanics
09.01010100 09.01010200 09.01010300	Comprehensive Homemaking or Home Economics (Numbers no longer in use)
09.01010000	Comprehensive Homemaking or Home Economics
09.01020000	Child Development
09.01030000	Clothing and Textiles
09.01040000	Consumer Education
09.01050000	Family Health
09.01060000	Family Relations
09.01070000	Foods and Nutrition
09.01080000	Home Management
09.01090000	Housing and Home Furnishings
09.01990200	Other Homemaking
09.02010000	Care and Guidance of Children
09.02020000	Clothing, Management, Production and Services
09.02030000	Food Management, Production and Services
09.02040000	Home Furnishings, Equipment, and Services
09.01030200	Clothing and Textiles - Second Year
09.01030300	Clothing and Textiles - Third Year
09.01070200	Foods - Second Year
09.01070300	Foods - Third Year
09.01992000	Other Homemaking

Source: Dr. Ken Wold, Support Services Section, D.P.I.

Merged Area 14 Listing From 1973-74 CE-4 Reimbursement File

Secondary level data only
Type 02 and 22 (no. 22's showed)
No limitation on taxonomies to be selected

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
01	0792	172	02	02	11	02	01.01010000	10	0	1	1,808	180.80
Bridgewater-Fontanelle							01.01020000	8	0	1	1,808	226.00
							01.01030000	12	1	1	1,808	139.07
							01.01040000	15	2	1	1,808	106.35
01	2673	109	02	02	11	02	01.01010000	26	0	1	1,882	72.38
Greenfield							01.01020000	7	3	1	1,882	188.20
							01.01030000	9	0	1	1,882	209.11
01	4978	109	02	02	11	02	01.01010000	20	2	1	2,428	110.36
Orient-Macksburg							01.01020000	9	0	1	2,428	269.77
							01.01030000	8	1	1	2,428	269.77
							01.01040000	11	1	1	2,428	220.72
02	1431	109	02	02	11	02	01.01010000	19	0	1	2,953	155.42
Corning							01.01020000	14	0	1	2,953	210.92
							01.01030000	18	0	1	2,953	164.05
							01.01040000	12	0	1	2,953	246.08
02	1431	109	02	02	10	16	09.01010100	0	21	1	2,116	100.76
Corning							09.01010200	0	17	1	2,116	124.47
							09.01030000	0	13	1	1,058	81.38
							09.01060000	0	18	1	1,058	58.77
							09.01070000	0	11	1	1,058	96.18
							09.01090000	0	15	1	1,058	70.53

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
20	1211	109	02	02	11	02	01.01010000	73	27	1	4,788	47.88
Clarke Comm.							01.01020000	17	1	1	2,083	115.72
							01.01030000	49	0	1	6,352	129.63
							01.01040000	8	6	1	1,123	80.21
20	1211	109	02	02	10	16	09.01010200	0	43	1	3,279	76.25
Clarke Comm.							09.01010300	0	34	1	3,273	96.26
							09.01020000	3	34	1	1,028	27.78
							09.01990200	30	0	1	1,623	54.10
							09.02020000	0	19	1	1,623	85.42
							09.02030000	5	19	1	812	33.83
							09.02040000	4	27	1	812	26.19
20	1211	209	02	02	10	16	09.01010100	0	52	1	3,083	59.28
Clarke Comm.												
20	4572	172	02	02	11	02	01.01010000	12	0	1	2,175	181.25
Clark Comm.							01.01020000	6	0	1	2,175	362.50
							01.01030000	14	2	1	2,175	135.93
20	4572	172	02	02	10	16	09.01010100	0	16	1	1,731	108.18
Murray							09.01010200	0	11	1	1,731	157.36
							09.01010300	0	6	1	1,731	288.50
27	1093	172	02	02	11	02	01.01010000	20	1	1	2,293	109.19
Central Decatur							01.01020000	18	2	1	2,293	114.65
							01.01030000	9	0	1	2,293	254.77
							01.03000000	12	0	1	2,293	191.08
27	3465	172	02	02	11	02	01.01010000	13	0	1	2,443	187.92
Lamoni							01.01040000	10	0	1	1,297	129.70
							01.02000000	10	0	1	1,297	129.70

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
27 Lamoni	3465	172	02	02	10	16	09.01010100	0	16	1	1,179	73.68
							09.01020000	0	10	1	1,179	117.90
							09.01030000	0	15	1	1,179	78.60
							09.01060000	0	11	1	1,179	107.18
							09.01070000	2	14	1	1,179	73.68
							09.01080000	0	8	1	1,179	147.37
							09.01090000	0	9	1	1,179	131.00
27 Mormon Trail	4505	172	02	02	11	02	01.01010000	24	0	1	3,044	126.83
							01.01020000	15	0	1	1,582	105.46
							01.01030000	11	0	1	1,582	143.81
							01.01040000	9	0	1	1,582	175.77
27 Mormon Trail	4505	172	02	02	10	16	09.01010100	0	28	1	3,213	114.75
							09.01010200	0	8	1	1,607	200.87
							09.01010300	0	8	1	1,607	200.87
							09.01010400	0	4	1	1,607	401.75
							09.01060000	22	16	1	1,636	43.05
69 Red Oak	5463	109	02	02	06	15	09.01010100	4	12	1	1,165	72.81
							09.01030200	0	12	1	1,165	97.08
							09.01030300	0	13	1	1,165	89.61
							09.01060000	6	21	0	2,330	86.29
							09.01070200	1	17	1	1,165	64.72
							09.01090000	13	17	1	2,330	77.66
							09.01990200	26	0	1	2,330	89.61
69 Red Oak	5463	109	02	02	06	65	09.01070300	0	19	1	2,128	112.00
							09.01090000	11	15	1	4,256	163.69
							09.01990200	15	0	1	2,179	145.26

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
69 Stanton	6165	109	02	02	11	02	01.01010000	11	0	1	1,918	174.36
							01.01020000	10	0	1	1,918	191.80
							01.01030000	16	0	1	1,918	119.87
							01.01040000	12	0	1	1,918	159.83
69 Villisca	6651	109	02	02	11	02	01.01010000	23	0	1	2,108	91.65
							01.01020000	12	0	1	2,108	175.66
							01.01030000	14	1	1	2,108	140.53
							01.01040000	12	0	1	2,108	175.66
69 Villisca	6651	109	02	02	06	15	09.01010100	0	11	1	1,905	173.18
80 Grand Valley	2602	172	02	02	11	02	01.01010000	15	1	1	1,952	122.00
							01.01020000	11	0	1	1,952	177.45
							01.01040000	7	0	1	1,952	278.85
							01.02000000	8	0	1	1,952	244.00
80 Mount Ayr	4527	109	02	02	11	02	01.01010000	11	1	1	1,661	138.41
							01.01020000	16	0	1	1,661	103.81
							01.01030000	11	0	1	1,661	151.00
80 Mount Ayr	4527	109	02	02	10	16	09.01010100	0	30	1	3,348	111.60
							09.01010200	0	28	1	3,348	119.57
							09.01010300	0	20	1	1,674	83.70
87 Bedford	0549	109	02	02	11	02	01.01010000	16	0	1	1,783	111.43
							01.01020000	10	0	1	1,783	178.30
							01.01030000	10	0	1	1,783	178.30
							01.01040000	10	0	1	1,783	178.30

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
87 Bedford	0549	109	02	02	10	16	09.01010100	0	17	1	1,347	79.23
							09.01030000	0	36	1	1,347	37.41
							09.01060000	0	15	1	1,347	44.90
							09.01070000	0	28	1	1,347	48.10
							09.01090000	0	9	1	673	74.77
87 Lenox	3609	109	02	02	10	16	09.01010100	0	19	1	3,098	163.05
							09.01010200	0	5	1	1,608	321.60
							09.01010300	0	3	1	1,608	536.00
87 New Market	4698	172	02	02	11	02	01.01010000	16	0	1	2,558	159.87
							01.01020000	11	0	1	2,595	235.90
							01.01030000	10	0	1	2,575	257.50
							01.01040000	9	0	1	2,558	284.22
87 New Market	4698	172	02	02	10	16	09.01010100	0	10	1	2,041	204.10
							09.01010200	0	12	1	2,041	170.08
							09.01010300	0	10	1	2,041	204.10
							09.01990200	15	0	1	2,041	136.06
88 Creston	1503	109	02	02	11	02	01.01010000	33	3	1	2,251	62.52
							01.01020000	13	3	1	2,251	140.68
							01.01030000	14	2	1	2,251	140.68
							01.01040000	12	0	1	2,251	187.58
							01.03000000	22	0	1	1,117	50.77
88 Creston	1503	109	02	02	10	16	09.01010200	0	38	1	5,287	139.13
							09.01020000	0	26	1	1,056	40.61
							09.01030000	0	15	1	1,332	88.80
							09.01060000	8	16	1	1,056	44.00
							09.01070000	0	20	1	1,322	66.10
							09.01090000	0	10	1	1,056	105.60
							09.01990200	68	0	1	3,699	54.39
88 Creston	1503	209	02	02	10	16	09.01010100	0	87	1	8,894	102.22

Merged Area 14 Programs with 03 Special Emphasis (Co-op)

County	District	School	Level	Type	Special Emphasis	Object and Purpose	Taxonomy	Male	Female	Offering	Cost/ Offering	Cost/ Enrollee
01	2673	109	02	02	03	02	01.02000000	6	0	1	1,882	313.66
20	1211	109	02	02	03	02	01.02000000	12	3	1	1,492	99.46
27	1093	172	02	02	03	02	01.02000000	11	2	1	2,293	176.38
80	4527	109	02	02	03	02	01.04000000	6	1	1	1,661	237.28
87	0549	109	02	02	03	02	14.00000000	0	22	1	10,504	477.45

VI. DETERMINING STUDENT ENROLLMENT

Source: D.P.I., Supervision Division

TABLE XXX

Area XIV Career Education Needs Assessment Study
1974-1975 Enrollments
Area XIV

School District	(Grades) K	1	2	3	4	5	6	7	8	9	10	11	12	Sub. Total	Spec. Ed.	Total
Bridgewater-Fontanelle	19	34	17	30	31	26	38	39	61	37	44	33	41	450		450
Greenfield Comm.								66	81	66	74	63	54	788	4	792
Orient-Macksburg	31	22	26	25	30	36	33	37	36	44	52	40	31	443		443
Corning Comm.	39	47	49	53	66	71	73	74	82	95	69	82	75	875	19	894
Prescott Comm.	7	10	12	9	17	18	23	22	31	24	21	27	11	232		232
Clarke Comm.	105	117	98	96	102	108	117	123	129	108	124	113	109	1,449	22	1,471
Murray Comm.	24	20	21	20	22	27	27	24	25	26	37	26	23	322	5	327
Central Decatur	59	59	60	55	56	63	77	61	66	76	72	67	55	826	9	835
Lamoni Comm.	24	28	25	26	26	27	29	48	37	51	45	43	40	449	2	451
Mormon Trail Comm.	37	40	45	29	42	41	45	49	50	46	55	42	42	563	5	568
Red Oak Comm.	131	126	110	123	141	140	155	136	147	137	147	133	132	1,758	31	1,789
Stanton Comm.	28	23	20	26	20	27	23	29	24	32	23	22	36	333	2	335
Villisca Comm.	25	36	34	39	37	42	55	49	60	71	75	31	39	593	1	594
Diagonal Comm.	11	10	15	11	12	18	16	25	13	21	21	18	19	210	2	212
Grand Valley Comm.	24	19	18	21	20	20	27	21	29	28	33	13	28	301	3	304
Mount Ayr Comm.	41	58	49	38	61	61	70	72	71	73	78	86	79	837	7	844

*Did not have grade figures for grades K-6 for Greenfield. This makes inaccurate grand totals for these grades.

1974-1975 Enrollments
Area XIV
(continued)

School District	K	1	2	3	4	5	6	7	8	9	10	11	12	Sub. Total	Spec. Ed.	Total
	(Grade)															
Bedford	49	51	61	59	60	80	70	62	73	81	67	67	70	859	10	869
Clearfield	8	11	6	12	5	10	15	12	18	15	24	11	25	172		172
Lenox	30	36	34	37	39	33	42	44	35	42	51	33	45	501	6	507
New Market	14	15	20	17	25	29	21	24	23	27	27	25	21	288	9	297
Creston	144	124	136	127	140	179	168	172	168	186	212	172	159	2,080	33	2,113
East Union	48	53	50	52	62	55	65	67	69	70	71	62	53	777	11	788
Total Public	898	939	906	869	1014	1104	1189	1256	1328	1356	1422	1218	1187	15,106	181	15,287
Total Parochial		17	22	16	14	24	20	16	14					143		143
Total	956	928	928	1028	1028	1128	1209	1272	1342	1356	1422	1218	1187	15,249	181	15,430

TABLE XXXI

AREA XIV
IOWA PUBLIC SCHOOL CENSUS DATA
June, 1972

	Under One Year (1)	One Year (2)	Two Years (3)	Three Years (4)	Four Years (5)	Five Years (6)	Total (7)
Adair County							
Bridgewater-Fontanelle	15	16	19	16	25	25	116
Greenfield	28	46	46	39	45	50	254
Orient-Macksburg	14	17	23	23	25	20	122
Adams County							
Corning	50	54	57	32	45	54	292
Prescott	11	7	13	6	9	12	58
Clarke County							
Clarke	67	86	73	82	93	86	487
Murray	11	11	11	19	16	20	88
Decatur County							
Central Decatur	54	49	48	47	61	57	316
Lamoni	8	21	24	26	22	30	131
Mormon Trail	27	28	36	33	36	39	199

Source: "Population/Enrollment Trends
Kirkwood Community College Report

AREA XIV - continued

Montgomery County							
Red Oak	109	110	130	110	126	101	686
Stanton	21	20	14	27	18	16	116
Villisca	23	26	23	28	26	26	152
Ringgold County							
Diagonal	11	11	5	10	11	10	58
Grand Valley	13	12	16	16	23	17	97
Mount Ayr	48	57	46	39	49	39	278
Taylor County							
Bedford	50	44	48	50	43	66	301
Clearfield	10	4	10	7	8	11	50
Lenox	23	25	27	32	25	36	168
New Market	12	13	14	6	16	14	75
Union County							
Creston	147	138	123	130	128	168	834
East Union	27	31	47	39	44	51	239
Area Totals	779	826	853	817	894	948	5117

Source: Population/Enrollment Trends
Kirkwood Community College Report

TABLE XXXI (Cont.)

1972 Enrollments

Area XIV (Grades)

School District	K	1	2	3	4	5	6	7	8	9	10	11	12	Sub. Tot.	Spec. Ed.	Other	Grand Total
01 0792 Bridgewater-Fontanella	24	27	28	33	40	43	60	38	50	36	41	34	50	504			504
01 2673 Greenfield Comm.	est 64	est 64	est 64	est 64	est 64	est 65	est 65	65	78	61	54	68	58	834			834
01 4978 Orient-Macksburg	25	32	27	33	32	38	37	45	54	42	35	35	48	483			483
02 1431 Corning Comm.	52	49	70	73	72	72	83	92	73	80	84	79	78	957	17		974
02 5328 Prescott Comm.	10	10	9	18	18	23	32	19	19	27	12	11	19	227			227
20 1211 Clarke Comm.	80	102	103	104	119	123	123	101	119	123	122	113	112	1444	22		1466
20 4572 Murray Comm.	16	18	24	30	23	25	28	23	31	28	24	34	29	333	4		337
27 1093 Central Decatur	67	70	58	63	92	57	74	90	70	69	58	71	60	899	15		914
27 3465 Lamoni Comm.	31	24	26	22	26	43	39	42	41	38	42	45	33	452	2		454
27 4505 Mormon Trail Comm.	47	30	41	39	48	48	51	49	54	48	49	47	38	589	8		597
69 5463 Red Oak Comm.	104	116	130	131	151	143	134	149	148	133	135	131	125	1730	30		1760
69 6165 Stanton Comm.	20	22	20	30	22	32	29	29	26	24	36	33	26	349	2		351
69 6651 Villisca Comm.	30	44	35	41	50	46	58	65	72	42	43	65	56	647	7		654
80 1782 Diagonal Comm.	17	8	12	19	15	23	16	21	21	16	21	20	18	227	1		228
80 2602 Grand Valley Comm.	21	18	17	22	24	19	29	27	30	18	31	23	24	303	4		307
80 4527 Mount Ayr Comm	48	43	63	57	67	77	72	71	77	88	88	93	76	920	10		930
87 0549 Bedford Comm.	65	61	70	82	75	58	74	75	63	80	75	72	71	921	7	11	939
87 1224 Clearfield	9	10	7	10	14	11	20	18	25	16	24	23	17	204	3		207
87 3609 Lenox Comm.	32	44	40	37	40	47	36	43	50	40	51	49	35	544	3		547

Source: "Population/Enrollment Trends: Kirkwood Community College Report

Source: "Population/Enrollment Trends
Kirkwood Community College Report

(CONTINUED)

1972 Enrollments

Area XIV - continued

(Grades)

School District	K	1	2	3	4	5	6	7	8	9	10	11	12	Sub. Tot.	Spec. Ed.	Other	Grand Total
87 4698 New Market Comm.	17	17	24	28	18	24	25	26	26	24	27	21	33	310	9		319
88 1503 Creston Comm.	168	134	134	171	171	180	172	184	191	180	193	166	151	2195	29		2224
88 1970 East Union Comm.	53	51	63	56	68	67	67	71	75	68	55	77	54	825	12		837
Total Public	1000	994	1065	1163	1249	1264	1324	1343	1393	1281	1300	1310	1211	15897	185	11	16093
Total Parochial	0	15	13	24	21	13	17	10	13	2	3	4	6	141			141
Total	1000	1009	1078	1187	1270	1277	1341	1353	1406	1283	1303	1314	1217	16038	185	11	16234

NOTE: An additional 29 students are enrolled in Special Education Classes in County Schools.

TABLE XXXII
FISCAL 1972 DROPOUT SURVEY

By State, K-12 Enrollment Categories and Merged Areas

	DROPS Male	DROPS Female	TOTAL DROPS Number	TOTAL DROPS Percent	ENROLLEES Number	ENROLLEES Percent	DROPOUT Rate
State Of Iowa	4,393	3,481	7,874	100.0	307,432	100.0	2.56
K-12 Enrollment Category							
200-499	165	128	293	3.7	22,506	7.3	1.30
500-749	233	195	428	5.4	32,218	10.5	1.32
750-999	240	212	452	5.7	29,938	9.7	1.50
1000-1499	304	213	517	6.6	31,747	10.3	1.62
1500-1999	229	202	431	5.5	23,657	7.7	1.82
2000-2999	514	412	926	11.8	39,984	13.0	2.31
3000+	2,708	2,119	4,827	61.3	127,416	41.4	*3.78
Merged Area XIV	79	69	148	1.9	8,068	2.6	1.83

*Equals or exceeds the State of Iowa dropout rate of 2.56

FISCAL 1973 DROPOUT SURVEY

By State, K-12 Enrollment Categories and Merged Areas

	DROPS Male	DROPS Female	TOTAL DROPS Number	TOTAL DROPS Percent	ENROLLEES Number	ENROLLEES Percent	DROPOUT Rate
State of Iowa	4,941	3,561	8,502	100.0	310,269	100.0	2.74
K-12 Enrollment Category							
200-499	154	113	267	3.1	23,956	7.7	1.11
500-749	239	167	406	4.8	31,118	10.0	1.30
750-999	318	205	523	6.2	32,414	10.4	1.61
1000-1499	320	199	519	6.1	30,450	9.8	1.70
1500-1999	247	173	420	4.9	21,236	6.8	1.97
2000-2999	606	423	1,029	12.1	42,794	13.8	2.40
3000+	3,057	2,281	5,338	62.8	128,301	41.4	*4.16
Merged Area XIV	78	65	143	1.7	8,144	2.6	1.75

*Equals or exceeds the State of Iowa dropout rate of 2.74

Source: Iowa Guidance Surveys, Guidance Service Section, D.P.I.

TABLE XXXIII

FISCAL 1972 DROPOUT SURVEY AREA XIV BY COUNTY

County	Drops Male	Drops Female	Drops Total		Enrollees		Dropout Rate
Adair	3	3	6		891		.67
Adams	7	0	7		621		1.12
Clarke	12	5	17		904		1.88
Decatur	11	9	20		996		2.00
Montgomery	16	16	32		1,355		2.36
Ringgold	5	9	14		811		1.72
Taylor	7	9	16		1,040		1.53
Union	18	18	36		1,450		2.48
			total	percent	number	percent	
Area XIV	79	69	148	1.9	8,068	2.6	1.83
State of Iowa	4,393	3,481	7,874	100.0	307,432	100.0	2.56

FISCAL 1973 DROPOUT SURVEY AREA XIV BY COUNTY

County	Drops Male	Drops Female	Drops Total		Enrollees		Dropout Rate
Adair	1	2	3		912		.32
Adams	6	1	7		609		1.14
Clarke	13	15	28		911		*3.07
Decatur	13	17	30		988		*3.03
Montgomery	12	10	22		1,421		1.54
Ringgold	2	4	6		795		.75
Taylor	11	7	18		1,012		1.77
Union	20	9	29		1,496		1.93
			Number	percent	number	percent	
Area XIV	78	65	143	1.7	8,144	2.6	1.75
State of Iowa	4,941	3,561	8,502	100.0	310,269	100.0	2.74

*Equals or exceeds State of Iowa Dropout Rate of 2.74

Source: Iowa Guidance Surveys, Guidance Services Section
DPI

TABLE XXXIV
1971 GRADUATE FOLLOW-UP
PRIMARY STATUS AS OF "ON OR ABOUT JUNE 1, 1972"

By State, K-12 Enrollment Categories and Merged Area XIV

	Education/Training		Employment		Other		Total
	Total	Percent	Total	Percent	Total	Percent	Graduates
State of Iowa	22,836	53.49	12,293	28.79	7,566	17.72	42,695
K-12 Enrollment Category							
200-499	1,966	56.32	989	28.33	536	15.35	3,491
500-749	2,696	54.16	1,485	29.83	797	16.01	4,978
750-999	2,190	50.53	1,444	33.32	700	16.15	4,334
1000-1499	2,462	54.28	1,214	26.76	860	18.96	4,536
1500-1999	1,890	54.77	1,012	29.32	549	15.91	3,451
2000-2999	3,010	53.48	1,677	29.80	941	16.72	5,628
3000+	8,622	52.97	4,472	27.47	3,183	19.56	16,277
Merged Area XIV	681	58.06	292	24.89	200	17.05	1,173

1972 GRADUATE FOLLOW-UP
PRIMARY STATUS AS OF "ON OR ABOUT JUNE 1, 1973"

By State, K-12 Enrollment Categories and Merged Area XIV

	Education/Training		Employment		Other		Total
	Total	Percent	Total	Percent	Total	Percent	Graduates
State of Iowa	21,689	49.92	14,045	32.33	7,711	17.75	43,445
K-12 Enrollment Category							
200-499	1,974	51.80	1,220	32.01	617	16.19	3,811
500-749	2,310	49.24	1,666	35.51	715	15.24	4,691
750-999	2,310	48.30	1,708	35.71	765	15.99	4,783
1000-1499	2,314	50.00	1,491	32.22	823	17.78	4,628
1500-1999	1,624	51.39	974	30.82	562	17.78	3,160
2000-2999	3,018	50.07	2,095	34.75	915	15.18	6,028
3000+	8,139	49.80	4,891	29.93	3,314	20.28	16,344
Area XIV	677	52.73	415	32.32	192	14.95	1,284

Source: Iowa Guidance Surveys, Guidance Service Section, D.P.I.

TABLE XXXV

1971 MERGED AREA XIV GRADUATE FOLLOW-UP BY COUNTY
PRIMARY STATUS AS OF "ON OR ABOUT JUNE 1, 1972"

County	Education/Trng. total	Education/Trng. percent	Employment total	Employment percent	Other total	Other percent	Total Graduates
Adair	97	74.62	20	15.38	13	10.00	130
Adams	65	62.50	25	24.04	14	13.46	104
Clarke	64	50.00	36	28.13	28	21.88	128
Decatur	58	40.85	64	45.07	20	14.08	142
Montgomery	124	62.94	39	19.80	34	17.26	197
Ringgold	59	60.82	19	19.59	19	19.59	97
Taylor	76	51.35	49	33.11	23	15.54	148
Union	138	60.79	40	17.62	49	21.59	227
Area XIV	772	57.40	314	23.35	259	19.26	1,345

1972 MERGED AREA XIV GRADUATE FOLLOW-UP BY COUNTY
PRIMARY STATUS AS OF "ON OR ABOUT JUNE 1, 1973"

County	Education/Trng. total	Education/Trng. percent	Employment total	Employment percent	Other total	Other percent	Total Graduates
Adair	96	48.98	86	43.88	14	7.14	196
Adams	53	51.46	38	36.89	12	11.65	103
Clarke	58	47.93	38	31.40	25	20.66	121
Decatur	76	48.72	45	28.85	35	22.44	156
Montgomery	127	63.18	41	20.40	33	16.42	201
Ringgold	67	59.82	29	25.89	16	14.29	112
Taylor	78	45.35	71	41.28	23	13.37	172
Union	122	54.71	67	30.04	34	15.25	223
Area XIV	677	52.73	415	32.32	192	14.95	1,284

Source: Iowa Guidance Surveys, Guidance Services Section
DPI

TABLE XXXVI

AREA XIV

SUMMARY OF PUBLIC SCHOOL GRADUATE FOLLOW-UP

		Area XIV Totals		State Totals	
		Number	%	Number	%
1964 -	Attending 4 year	318	28.4	10934	32.6
	Attending 2 Year	151	13.5	3379	10.1
	Totals	469	41.9	14313	42.7
	Total H.S. Grads	1119		33555	
1969 -	Attending 4 Year	399	31.8	13717	33.3
	Attending 2 Year	281	22.4	7439	18.1
	Totals	680	54.2	21156	51.4
	Total H.S. Grads	1252		41172	
1970 -	Attending 4 Year	387	29.3	13460	31.8
	Attending 2 Year	280	21.2	7353	17.4
	Totals	667	50.5	20813	49.2
	Total H.S. Grads	1318		42261	
1971 -	Attending 4 Year	306	26.1	12452	29.2
	Attending 2 Year	268	22.8	6252	14.6
	Totals	574	48.9	18704	43.8
	Total H.S. Grads	1173		42695	

Source: "Population/Enrollment Trends
Kirkwood Community College Report

TABLE XXXVII

Percentage of Students in Area XIV Who Went on to Further Education 1972

COUNTY	TOWN	SCHOOL	PERCENTAGE
Adair	Fontanelle	Bridgewater-Fontanelle Comm. Sch.	50%
"	Greenfield	Greenfield Community School	75%
"	Orient	Orient-Macksburg Comm. Sch.	70%
Adams	Corning	Corning Community School	65%
"	Prescott	Prescott Community School	57%
Clarke	Murray	Murray Community School	40%
"	Osceola	Clarke Community School	40%
Decatur	Garden Grove	Mormon Trail Comm. School	60%
"	Lamoni	Lamoni Community School	65%
"	Leon	Central Decatur Comm. Sch.	49%
Montgomery	Red Oak	Red Oak Community School	60%
"	Stanton	Stanton Community School	80%
"	Villisca	Villisca Community School	60%
Ringgold	Diagonal	Diagonal Community School	66%
"	Kellerton	Grand Valley Community School	40%
"	Mount Ayr	Mount Ayr Community School	61%
Taylor	Bedford	Bedford Community School	50%
"	Clearfield	Clearfield Community School	50%
"	Lenox	Lenox Community School	46%
Union	Afton	East Union Community School	33%
"	Creston	Creston Community Schools	49%

Average percentile going on to further education is 55%

VII. DETERMINE GEOGRAPHICAL CONSTRAINTS & POPULATION DISTRIBUTION

DETERMINE GEOGRAPHICAL CONSTRAINTS & POPULATION DISTRIBUTION

It was suggested by the Working Committee that individual school Boards should work out cooperative programs for Career Education. (See Working Committee minutes of June 11, 1975 in appendix) The following map of Area XIV and time schedule is one that could provide some tentative planning for school districts in this effort.

In application for Title III, Higher Education Act, 1965, P.L. 89-329, for academic year 1972-1973 by SWCC, a survey was conducted that shows 22% of the students in our area come from families having incomes less than $3,000 a year. 38% of the students come from families having incomes less than $5,000 per year and 67% of the students come from families having total incomes of less than $9,000 per year.

TABLE XXXVIII

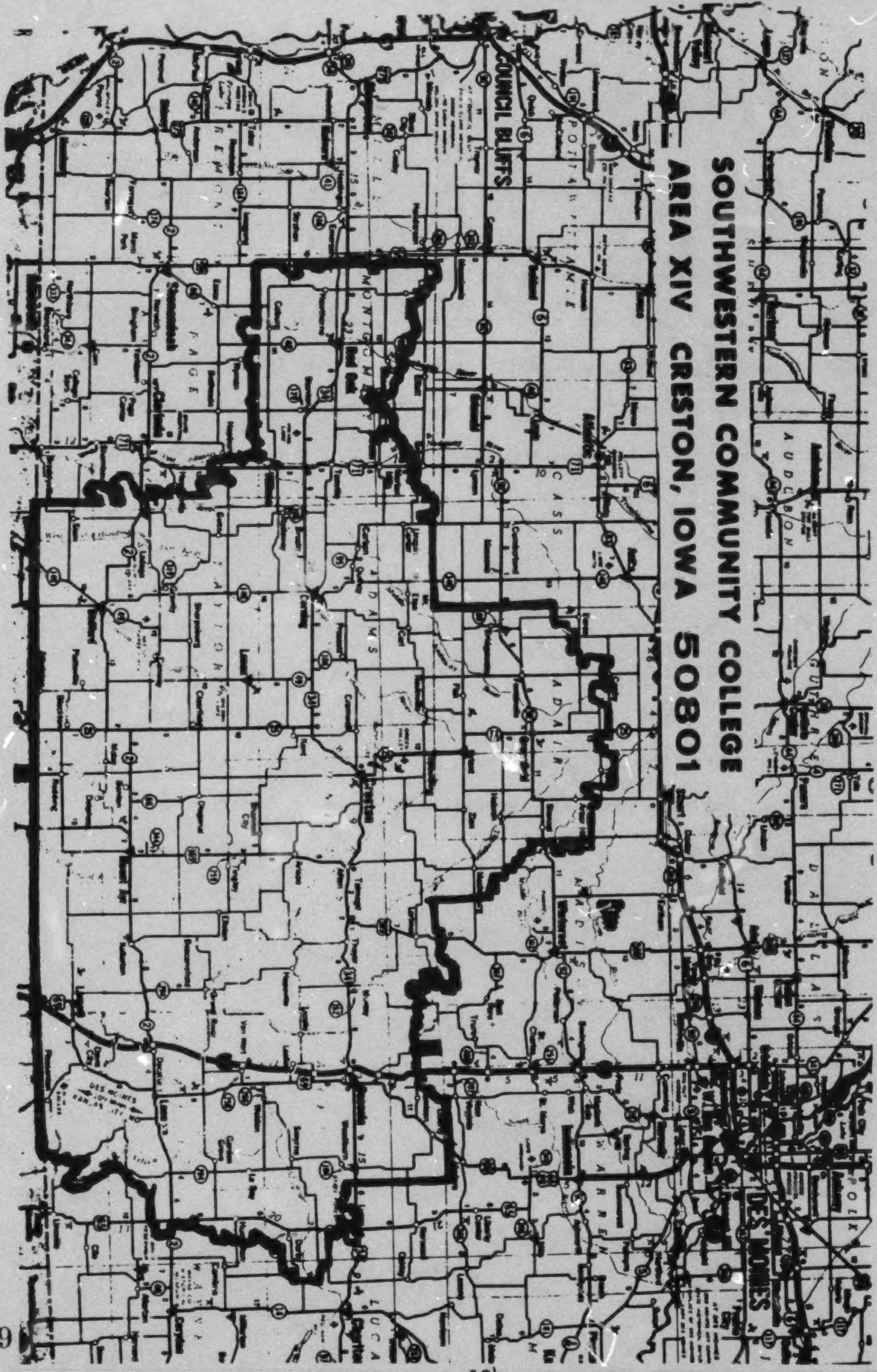

SOUTHWESTERN COMMUNITY COLLEGE
AREA XIV CRESTON, IOWA 50801
COUNCIL BLUFFS
DES MOINES
MONTGOMERY
PAGE
TAYLOR
ADAMS
CASS
ADAIR
AUDUBON
GUTHRIE
POTTAWATTAMIE
DALLAS
POLK
WARREN
MADISON
UNION
RINGGOLD
DECATUR
CLARKE
WAYNE
LUCAS
FREMONT
MILLS

TABLE XXXIX

PROPOSED TRAVEL TIME SCHEDULE

A.	Red Oak Proposed Grouping	
	Stanton to Red Oak	25 min.
	Villisca to Red Oak	45 min.
B.	Corning Proposed Grouping	
	Prescott to Corning	25 min.
	Lenox to Corning	35 min.
	Bedford to Corning	45 min.
	New Market to Corning	45 min.
	Clearfield to Corning	45 min.
C.	Mount Ayr Proposed Grouping	
	Diagonal to Mount Ayr	45 min.
	Kellerton to Mount Ayr	30 min.
	Lamoni to Mount Ayr	45 min.
D.	Osceola Proposed Grouping	
	Leon to Osceola	55 min.
	Garden Grove to Osceola	55 min.
	Murray to Osceola	30 min.
E.	Greenfield Proposed Grouping	
	Orient to Greenfield	25 min.
	Fontanelle to Greenfield	30 min.
F.	Creston Proposed Grouping	
	Afton to Creston	20 min.

TABLE XL
POPULATION ANALYSIS
AREA XIV

INDICATOR	TOTAL M	TOTAL F	WHITE M	WHITE F	BLACK M	BLACK F	OTHER RACES M	OTHER RACES F	SPANISH AM. M	SPANISH AM. F
TOTAL POPULATION										
AGE										
TOTAL ALL AGES: 61,847										
10-15	3836	3540	3817	3517	0	0	17	23	0	0
16-17	1127	1205	1127	1199	0	0	0	6	0	0
18-21	1737	1640	1723	1624	0	0	14	16	0	0
22-44	6613	6910	6603	6888	0	0	10	16	0	0
45-54	3367	3656	3352	3647	0	0	15	9	0	0
55 and over	8698	10501	8684	10485	0	5	14	10	0	0
TOTAL LABOR FORCE 16 AND OVER										
TOTAL LABOR FORCE	16284	8158	16249	8146	0	0	35	12	0	0
LABOR FORCE PARTICIPATION RATE	75.6	34.1	75.6	34.2	0.	0.	66.0	19.0	0	0
CIVILIAN LABOR FORCE	16278	8158	16243	8146	0	0	35	12	0	0
EMPLOYED	15934	7834	15904	7822	0	0	30	12	0	0
UNEMPLOYED	344	324	339	324	0	0	5	0	0	0
UNEMPLOYMENT RATE	2.1	4.0	2.1	4.0	0	0	14.3	0	0	0
DISABLED, 16-64	2297	1785	2297	1767	0	0	0	18	0	0
UNEMPLOYMENT RATE	2.3	0	2.3	0	0	0	0	0	0	0
NOT IN LABOR FORCE	5258	15754	5240	15697	0	6	18	51	0	0
INMATE OF INSTITUTION	302	580	302	580	0	0	0	0	0	0
ENROLLED IN SCHOOL	1110	1426	1097	1410	0	0	13	16	0	0
OTHER UNDER 65 YEARS	925	8446	925	8415	0	0	0	31	0	0
DISABLED OR HANDICAPPED	509	1334	509	1334	0	0	0	0	0	0
ABLE TO WORK	126	455	126	455	0	0	0	0	0	0
OTHER OVER 65 YEARS	2921	5302	2916	5292	0	6	5	4	0	0
POPULATION 16-21 NOT ENROLLED IN SCHOOL: UNEMPLOYED OR NOT IN LABOR FORCE										
HIGH SCHOOL GRADUATES	[illegible]	865	79	365	0	0	0	0	0	0
PERCENT OF TOTAL GRADUATES	12.3	57.5	12.3	57.5	0	0	0	0	0	0

INDICATOR	TOTAL		WHITE		BLACK		OTHER RACES		SPANISH AM.	
	M	F	M	F	M	F	M	F	M	F
NOT HEGH SCHOOL GRADUATES	58	183	58	183	0	0	0	0	0	0
PERCENT OF TOTAL NON-GRADUATES	28.3	73.2	28.3	73.2	0	0	0	0	0	0
EDUCATION										
Population 25 yrs. and over with less than 8 yrs. education.	2900		2895		0		5		0	
Percent	7.6		7.6		0		7.2		0	
Population 25 yrs. and over who are not high school graduates	5498		5465		6		27		0	
Percent	45.3		45.2		0		67.1		0	
Population 25 yrs. and over with any college.	5833		5821		0		12		0	
Percent college graduate	5.9		5.9		0		17.1		0	
Total men 16-64 yrs. old with less than 3 years college	15870		15851		0		19		0	
Men 16-64 yrs. old with vocational training.	2894		2894		0		0		0	
Percent of males 16-64 with less than 3 yrs. of college.	18.2		18.3		0		0		0	
INCOME LEVELS										
Total families below poverty level. (0-99% of poverty level)	2551		2546		0		5		0	
percent of all families	14.9		14.9		0		12.8		0	
with female head	370		370		0		0		0	
Percent with public assistance income	10.1		10.1		0		0		0	
Percent of families with income level 100-124% of poverty level	7.0		6.9		0		15.4		0	

Source: Local Manpower Plan

INDICATOR	TOTAL	WHITE	BLACK	OTHER RACES	SPANISH AM.
SELECTED TARGET GROUPS					
Vietnam Veterans	10.10	10.10	0	0	0
Percent of males 16+	4.7	4.7	0	0	0
Persons employed 26 weeks or less during the year.	23001	22921	6	74	0
Males	5972	5949	0	23	0
Females	17029	16972	0	51	0
Receipants of Public Assistance income.					
Families	563	563	0	0	0
Unrelated individuals	421	421	0	0	0

Source: "Local Manpower Plan"

TABLE XLI

POPULATION NEEDS PROFILE SUMMARY

AREA XIV

Counties	Population	% Black	% Span Amer.	% Other Races	Pop. 16-21 Not in School Unemp. or not in Labor Force	Median Family Income	% Families Below Poverty Level	No. Fam. with Public Assist.	No. Vietnam Veteran 1970
Adair	9,487	.0	.0	.5	78	$ 7,693	11.0	57	137
Adams	6,322	.0	.0	.3	48	$ 7,020	17.0	49	49
Clarke	7,581	.0	.0	.0	142	$ 7,223	13.1	71	139
Decatur	9,737	.0	.0	.8	93	$ 5,690	19.2	144	169
Montgomery	12,781	.0	.3	.3	141	$ 8,188	10.1	111	157
Ringgold	6,373	.2	.0	.3	71	$ 6,602	14.4	39	115
Taylor	8,790	.0	.0	.1	85	$ 6,085	19.2	46	108
Union	13,557	.0	.0	.2	168	$ 7,166	12.3	157	293
Area Total	74,628	.0			826	$ 6,948	13.7	674	1,167
State Total	2,824,376	1.2	0.6	0.2	37,391	$ 9,018	8.9	23,426	58,116

* Excerpted from the State of Iowa, Department of Public Instruction, Career Education Division, Population Needs Profile 6310-B29456 - 5/73

Source: "Population/Enrollment Trends"
Kirkwood Community College Report

DETERMINE GEOGRAPHICAL CONSTRAINTS & POPULATION DISTRIBUTION

It may be of some interest to look at Area XIV in regard to total population, expecially as it relates to the phenomenon of migration. The Iowa Development Commission suggest that migration can be estimated by subtracting births and adding deaths to net population change. The resultant number represents migration, positive or negative, in relation to a given area. Table XLII displays this factor for Area XIV.

The most important disclosure of this table is that Area XIV suffered an approximate net out-migration of 9,105 persons between 1960 and 1970. That amounted to 10.9% of the 1960 population of the eight county area while the state lost 6.6% to other states or other countries.

The factor of out-migration by counties is further substantiation of this phonomenon. Union county, the urban center for Area XIV, had an out-migration of only 2.9%, while Ringgold, Adair and Adams counties all of which are largely rural, had losses due to migration in excess of 16.1%.

The area total migration is based on the addition of the county migration figures. As such, it would yield a higher number than is the actual migration out of the area. There is a substantial movement within Area XIV, and the scope and nature of such intra-area migration is beyond the resources of this study. However, there is undoubtedly a tendency for movement out of Area XIV. Many of the other population characteristics of Area XIV are very similar to the State of Iowa as a whole. There is, therefore, reason to believe that this tendency to resemble the rest of the state exists in the phenomenon of migration as well.

Source: "Population/Enrollment Trends"
Kirkwood Community College Report

TABLE XLII

POPULATION SUMMARY
1970 vs 1960
AREA 14

COUNTY	1970 POPULATION	1960 POPULATION	POPUL. DIFFERENCE	POPUL. % CHG.	MIGRATION	% MIGRATION
ADAIR	9,487	10,893	- 1,406	-12.9	- 1,751	-16.1
ADAMS	6,322	7,468	- 1,146	-15.3	- 1,275	-17.1
CLARKE	7,581	8,222	- 641	- 7.8	- 613	- 7.5
DECATUR	9,737	10,539	- 802	- 7.6	- 723	- 6.9
MONTGOMERY	12,781	14,467	- 1,686	-11.7	- 1,686	-11.7
RINGGOLD	6,373	7,910	- 1,537	-19.4	- 1,435	-18.1
TAYLOR	8,790	10,288	- 1,498	-14.6	- 1,221	-11.9
UNION	13,557	13,712	- 155	- 1.1	- 401	- 2.9
TOTAL	74,628	83,499	- 8,871	-10.6	- 9,105	-10.9
STATE TOTAL	2,825,041	2,757,537	+67,504	+ 2.4	-182,927	- 6.6

Source: "Population/Enrollment Trends"
Kirkwood Community College Report

TABLE XLII

POPULATION SUMMARY/STATE TOTALS 1970 vs 1960						
	POPULATION 1970	POPULATION 1960	POPULATION DIFFERENCE	POPULATION % CHANGE	MIGRATION	MIGRATION %
AREA 1	220,020	214,475	+ 5,545	+ 2.6	- 17,801	- 8.3
AREA 2	130,896	138,473	- 7,577	- 5.5	- 16,989	-12.3
AREA 3	81,264	85,999	- 4,735	- 5.5	- 11,445	-13.3
AREA 4	84,682	88,345	- 3,663	- 4.1	- 11,352	-12.8
AREA 5	172,613	183,117	-10,592	- 5.8	- 22,497	-12.3
AREA 6	116,393	115,362	+ 1,031	+ 0.9	- 6,317	- 5.5
AREA 7	228,618	218,895	+ 9,723	+ 4.4	- 15,675	- 7.2
AREA 9	268,138	239,011	+29,127	+12.2	+ 858	+ 0.4
AREA 10	330,134	288,270	+41,864	+14.5	+ 2,683	+ 0.9
AREA 11	546,956	510,051	+36,905	+ 7.2	- 14,498	- 2.8
AREA 12	184,672	193,107	- 8,435	- 4.4	- 24,120	-12.5
AREA 13	175,161	178,801	- 3,640	- 2.0	- 18,048	-10.1
AREA 14	74,628	83,499	- 8,871	-10.6	- 9,105	-10.9
AREA 15	153,825	167,216	-13,391	- 8.0	- 18,232	-10.9
AREA 16	118,774	117,289	+ 1,485	+ 1.3	- 6,455	- 5.5
* STATE TOTAL	2,825,041	2,757,537	+67,504	+ 2.4	-182,927	- 6.6

*NOTE: Sum of the columns will not equal state totals since some counties were credited to more than one area school.

Source: "Population/Enrollment Trends"
Kirkwood Community College Report

TABLE XLIV

A Comparison of Elderly Population in Area XIV and the State of Iowa

	County	Year	Total Pop.	65 years +	Elderly as a % of Total Population
1.	Adair	1970	9,487	1599	.16%
		1960	10,893	1620	.14%
2.	Adams	1970	6,322	1076	.17%
		1960	7,488	1113	.14%
3.	Clarke	1970	7,581	1353	.17%
		1960	8,222	1380	.16%
4.	Decatur	1970	9,737	1763	.18%
		1960	10,539	1752	.16%
5.	Montgomery	1970	12,781	2422	.18%
		1960	14,467	2382	.16%
6.	Ringgold	1970	6,373	1216	.19%
		1960	7,910	1248	.15%
7.	Taylor	1970	8,790	1868	.21%
		1960	10,288	1910	.18%
8.	Union	1970	13,557	2456	.18%
		1960	13,712	2369	.17%
9.	St. of Iowa	1970	2,825,041	350,293	.12%
		1960	2,757,537	327,685	.11%

AGE POPULATION CHANGE

AREA XIV

		HORIZONTAL		DIAGONAL		
	1970	Change	%	Change	%	1960
ALL AGES	74,628					83,499
UNDER 1 YEAR	923	-555	-37.6	- 34	- 2.3	1478
1 YEAR	932	-525	-36.0	- 38	- 2.6	1457
2 YEARS	984	-502	-33.8	- 29	- 2.0	1486
3 YEARS	949	-493	-34.2	- 53	- 3.7	1442
4 YEARS	980	-480	-32.9	- 48	- 3.3	1460
5 YEARS	1097	-480	-30.4	- 82	- 5.2	1577
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
6 YEARS	1248	-242	-16.2	-146	- 9.8	1490
7 YEARS	1219	-259	-17.5	- 94	- 6.4	1478
8 YEARS	1321	-345	-20.7	-234	-14.0	1666
9 YEARS	1314	-245	-15.7	-517	-33.2	1559
10 YEARS	1444	- 88	- 5.7	-710	-46.3	1532
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
11 YEARS	1419	-172	-10.8			1591
12 YEARS	1457	-208	-12.5			1665
13 YEARS	1389	-288	-17.2			1677
14 YEARS	1412	+ 87	+ 6.6			1325
15 YEARS	1495	+ 84	+ 6.0			1411
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
16 YEARS	1344	- 80	- 5.6			1424
17 YEARS	1384	- 93	- 6.3			1477
18 YEARS	1432	+277	+24.0			1155
19 YEARS	1042	-131	+14.4			911
20 YEARS	822	+ 76	+10.2			746
21 YEARS AND OVER	49,021	-4471	- 8.4			53,492
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
UNDER 5 YEARS	4768	-2555	-34.9	-202	- 2.8	7323
5 TO 9 YEARS	6199	-1571	-20.2	-1073	-13.8	7770
10 TO 14 YEARS	7121	-669	- 8.6	-3915	-50.3	7790
15 TO 19 YEARS	6697	+319	+ 5.0	-2940	-46.1	6378
20 TO 24 YEARS	3875	+533	+16.0	+ 50	+ 1.5	3342
25 TO 29 YEARS	3438	-262	- 7.1	-218	- 5.9	3700
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
30 TO 34 YEARS	3392	-873	-20.5	-303	- 7.1	4265
35 TO 39 YEARS	3482	-1163	-25.0	-336	- 7.2	4645
40 TO 44 YEARS	3962	-1060	-21.1			5022
45 TO 49 YEARS	4309	-782	-15.4			5091
50 TO 54 YEARS	4554	-478	- 9.5			5032
55 TO 59 YEARS	4555	-253	- 5.3			4808
	- - - - -	- - - -	- - - -	- - - -	- - - -	- - - - -
60 TO 64 YEARS	4523	- 38	- 0.8			4561
65 TO 69 YEARS	4034	-334	- 7.6			4368
70 TO 74 YEARS	3612	-183	- 4.8			3795
75 TO 79 YEARS	2832	- 41	- 1.4			2873
80 TO 84 YEARS	1921	+239	+14.2			1682
85 YEARS AND OVER	1354	+300	+28.5			1054

These figures were derived from the following counties: Adair, Adams, Clarke, Decatur, Montgomery, Ringgold, Taylor, Union.

Compiled from: U.S. Bureau of the Census
Census of Population 1970
General Population Characteristics
Final Report PC(1)-B17 Iowa 205

Source: "Population/Enrollment Trends"
Kirkwood Community College Repor

VIII. RESOURCES AVAILABLE TO PROVIDE CAREER EDUCATION

RESOURCES AVAILABLE TO PROVIDE CAREER EDUCATION

Although budgets of local school districts can be reviewed, each local Board must finally determine the amount of resources they are willing to commit in their district to implement the Career Education concept, therefore, it was the consensus of the Working Committee that the budgets shown in the table of "Iowa Public School Data (Administration and Finance for High School Districts Within Area XIV) 1973-74," could finally determine the resources available to each school district.

Current programs being offered have been reviewed previously.

Area School capabilities include the ability to consumate 28-E agreements with local school districts to provide exploratory and preparatory programs for high school students. Seniors with advance standing in their respective local schools are also allowed to enroll on a part-time basis at Southwestern Community College, where slots in the regular programs are available.

Personnel from the area school are available to provide assistance in counseling and in helping to develop preparatory programs at the local level. This provides the local school districts with some capabilities and assistance that they would not have without the area school. Also the area school has the capability of providing flexible types of programs to meet almost any need in a cooperative venture by local school districts in their efforts to provide Career Education.

TABLE XLVI

IOWA PUBLIC SCHOOL DATA (ADMINISTRATION AND FINANCE FOR HIGH SCHOOL DISTRICTS WITHIN AREA XIV) 1973-74 SCHOOL YEAR*

High School District within County	Total A.D.M. 73-74 SAR	Assessed Valuation	Assessed Valuation Per Res. Child In A.D.M.	Full Millage Levy Gen. Fund	Full Millage Levy Sch.H. Fund	Gen Fd Exp Per Pupil A.D.M.	Current Exp/Pupil In ADM
Adair							
Bridgewater-Fontanelle	484.9	7,259,827	14,972	39.439	4.623	1,039.60	1,021.53
Greenfield Comm. Sch. D.	819.4	11,007,519	13,434	42.687	6.597	996.82	958.75
Orient-Macksburg Comm.	450.5	10,761,987	23,889	45.146	1.258	1,285.77	1,222.73
Totals	1,754.8	29,029,333	16,543			1,082.82	1,043.87
Adams							
Corning Comm. Sch. D.	924.3	16,419,521	17,764	39.854	4.363	1,085.55	992.85
Prescott Comm. Sch. D.	229.6	4,570,876	19,908	47.053	2.426	1,223.53	1,174.97
Totals	1,153.9	20,990,397	18,191			1,113.01	1,029.09
Clarke							
Clarke Comm. Sch. Dist.	1,433.8	18,629,741	12,993	42.062	7.407	925.30	934.31
Murray Comm. Sch. Dist.	338.9	5,115,922	15,096	35.326	1.756	906.41	902.14
Totals	1,772.7	23,745,663	13,395			943.53	928.16
Decatur							
Central Decatur Comm.	885.0	10,682,444	12,071	41.810	2.024	942.64	942.64
Lamoni Comm. Sch. Dist.	457.9	4,907,542	10,717	60.353	5.079	1,151.77	1,134.82
Morman Trail Comm.	567.1	9,028,300	15,920	37.910	.000	1,017.42	1,005.71
Totals	1,910.0	24,618,286	12,889			1,014.98	1,007.44
Montgomery							
Red Oak Comm. Sch. D.	1,783.4	27,207,567	15,256	38.545	5.673	996.81	980.05
Stanton Comm. Sch. D.	338.4	5,024,850	14,849	44.580	7.676	1,079.98	1,044.34
Villisca Comm. Sch. D.	645.6	10,035,672	15,545	47.251	3.458	1,169.87	1,108.90
Totals	2,767.4	42,268,089	15,274			1,047.35	1,017.97

*Source: Department of Public Instruction. Iowa Public School Data 1973-74 School Year, High School Districts, Administration and Finance. Department of Public Instruction. January, 1975

IOWA PUBLIC SCHOOL DATA (ADMINISTRATION AND FINANCE FOR HIGH SCHOOL DISTRICTS WITHIN AREA XIV) 1973-74 SCHOOL YEAR*

High School District within County	Total A.D.M. 73-74	Assessed Valuation	Assessed Valuation Per Res. Child In A.D.M.	Full Millage Levy Gen. Fund	Sch.H. Fund	Gen Fd Exp Per Pupil A.D.M.	Current Exp/Pupil In ADM
Ringgold							
Diagonal Comm. Sch. D.	215.3	3,035,320	14,098	53.810	9.731	1,221.87	1,131.74
Grand Valley Comm.	295.8	4,781,777	16,166	43.816	.000	1,174.56	1,134.67
Mount Ayr Comm. Sch. D.	883.1	14,174,281	16,051	50.821	1.000	1,338.24	1,313.23
Totals	1,394.2	21,991,378	15,773			1,285.54	1,247.32
Taylor							
Bedford Comm. Sch. Dist.	878.0	14,150,357	16,117	39.315	1.777	1,009.75	979.42
Clearfield Comm. Sch. D.	181.1	3,738,423	20,643	52.717	.000	1,351.03	1,327.00
Lenox Comm. Sch. D.	537.1	9,737,634	18,130	37.816	8.813	1,092.83	1,064.71
New Market Comm. Sch. D.	304.8	4,867,909	15,971	43.648	3.170	1,204.04	1,185.46
Totals	1,901.0	32,494,323	17,093			1,096.89	1,069.67
Union							
Creston Comm. Sch. Dist.	2,157.0	27,427,875	12,716	40.033	3.893	977.66	960.17
East Union Comm. Sch. D.	838.4	11,423,312	13,625	47.095	8.327	1,100.21	1,093.61
Totals	2,995.4	38,851,187	12,970			1,011.96	997.52

*Source: Department of Public Instruction. Iowa Public School Data 1973-74 School Year, High School Districts, Administration and Finance. Department of Public Instruction. January, 1975

IX. POTENTIAL FOR EMPLOYMENT OPPORTUNITIES IN AREA XIV RELATIVE TO PREPARATORY PROGRAMS

Occupational Needs:

This section is composed of occupational needs identified in both the private and public sector. The importance of this section is that the accompanying data illustrates employment opportunities for C.E.T.A. Program participants.

The main thrust of the CETA program is to place people who are economically disadvantaged, underemployed, or unemployed in jobs that are considered to be "gainfull full time employment". It is also the intent of the program to accomplish this with a minimum of service.

Considering the overriding legislative intent it was necessary to establish basic understanding relative to the training and placement of the target populations. The basic understanding evolved around the capabilities of the target groups and their employment.

In an effort to supplement local job availability information, local people involved in the development of manpower recommendations for their particular area, were encouraged to use "The Career Education Needs Information System" (CENIS) developed, prepared and published by the Iowa Department of Public Instruction and the "Annual Report on State and Area Occupational Requirements for Vocational Education, State of Iowa" developed by the Iowa Employment Security Commission.

The Occupational Needs Summary estimates submitted by each area identified occupations in which program enrollees can be placed either directly (without direct CETA service), or after receipt of CETA service. These individual summaries were consolidated into a single listing of occupations for Balance-of-State and compared to the data in the statewide CENIS and ES data. The purpose of this is to validate occupations for employment as determined by local people to the projected occupational needs as indicated in the CENIS and ES report.

Source: Iowa Manpower Study

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PRIVATE SECTOR

OCCUPATIONS	CENIS	Aver. of CENIS & E.S.	E.S.	EST. Placemen
Fabricated-Assmb. Metal Prod.	1304			120
Metal Working Assemb.			366	677
Mfg. Representative	195			85
Bookbinder	220			70
Operating Engr. H. Eq.	983			75
Crane, Derrick, Hoistman			46	
Excav. Grad. Mach. Oper.			153	34
Foundry-Moulder-Coremaker	211			36
Moulder, Metal		27.		3
Blacksmith, Forgeman			3	

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PRIVATE SECTOR

OCCUPATIONS	CENIS	Aver. of CENIS & E.S.	E.S.	EST. Placement
Furnaceman, Pourer			4	
Accounting Technician	388			142
Bookkeeper		904		165
Ind. Mtn. Tech.	508			26
Building Maint.	237			102
Janitors, Sextons			1279	73
Custodian	882			30
Sales Real Estate	114			24
Sales Workers			3261	778
Key Punch Operator	336			43
Office Mach. Opers.		406		142
Duplicating Mach. Oper.	69			14
Transcribing Mach. Oper.	112			6
Prof. Nurse		937		80
Nurse Aide/Orderly	2404			213
Hospital Attendant			1127	76
Nurse, LPN		671		349
Private Household			1236	50
Cooks etc., Private				149
Housekeepers			449	30
Plumber-Pipefitter		304		38
Heating-Air Cond. Mech.	124			20
Ind. Sewing Mach. Oper.	1182			79
Sewer, Stitcher			46	
Farm Manager	4			20
Farm Hand	177			20
Laborer Factory				150
Laborer Meat Packing				300
Laborer Warehouse				75
Laborer Excl. Farm & Mine			419	
Cosmetologist	229			30
Nursing Home Activities Dir.				15
Director, Recreation	12			
Mgr. Trainee				22
Mgr. Trainee, Ins. Office	67			
Meat Cutter		133		10
Maid				5
Housekeeper, Inst.	196			2
Charwoman, Cleaner			400	12
Outboard Motor Mech.				10
Gasoline Engine Repairman	27			
Auto Mechanic		635		353
Airplane Mechanic		21		1
Office Machines Mech.		24		10
Radio-TV Mechanic-Repair		39		44

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PRIVATE SECTOR

OCCUPATIONS	CENIS	Aver. of CENIS & E.S.	E.S.	Est. Placement
Mechanic Farm Equip.	149			78
Diesel Mechanic	125			12
Auto Brake Mechanic	23			5
Auto Front End Mechanic	35			7
Auto Trans. Mechanic	6			9
Auto Serv. Stat. Mech.	119			2
Optician, Lens Grinder			11	4
Glazier		23		4
Auto Body Repairman	139			51
Inspector				36
Inspector, Gen.		176		
Pressman, Plate Printer		94		45
Cabinetmaker		74		4
Upholsterer		31		24
Structural Metal Worker		128		46
Sheet Metal Worker		88		65
Welder, Flamecutters		202		476
Lineman, Serviceman		50		11
Electrician		129		69
Painters-Paperhangers		164		39
Carpenters		726		141
Brickmason - Tile		185		68
Bus, Truck, Tractor Driver		1418		351
Photoengraver, Litho		34		3
Millwright			18	8
Production Machine Oper.	2484			521
Clerical-Multi-Occ.				380
Typist-Clerk	1093			22
File Clerk	330			47
Receptionist	254			42
Medical Secretary	74			23
Stenographer				66
Clerk, Gen. Office	1862			537
Secretary, Stenographer, Typist		2415		798
Cannary Worker				125
Household Appl. Repair	26			6
Foreman NOC			637	5
Interior Decorator	25			5
Photographer			-18	35
Auto Painter	27			10
Industrial Eng. Tech.	-3			10
Dental Asst.	54			2
Medical-Dental Tech.			399	43
Press Oper. Hvy. Dty.	136			54
Welder, Arc	19			1
Welder, Repair	25			3
Tailor, Alterations				3
Cut-Off Saw Oper.				15

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PRIVATE SECTOR

OCCUPATIONS	CENIS	Aver. of CENIS & E.S.	E.S.	Est. Placement
Woodworking Mach, Oper.	117			12
Rip-Saw Oper.				4
Groundskeeper				3
Greenskeeper	59			
Layout Man				12
Kiln Operator				3
Yardman				9
Die Casting Mach. Oper.	123			2
Carman				12
Packager, Machine				8
Pers. & Labor Relations			95	3
Editor and Reporter			127	5
Driver - Salesman	125			6
Painter - Spray				10
Electronic - Assembler				15
Motorcycle Repairman	17			5
Furniture Assembler	167			34
Meter Repairman				4
Telephone Eq. Inst.				7
Telephone Repairman	60			4
Poultry Boner				30
Farm Eq. Partsman	39			11
Auto Parts Counterman	143			15
Mobile Home Repairman/Inst.	72			2
Truck Serv. Mech.				4
New Car Readyman				6
Electronic Tech.	76			3
Plasterer			12	3
Metal Mach. All Occ.				25
Machinist		357		253
Turrent Lathe Oper.				20
Radial Drill Oper.				15
Welder, Resistance	224			40
Cook		968		67
Cookhelper	499			5
Baker		138		5
Welder, Combination	727			213
Cement Mason		118		14
Welder, Inert. Gas	627			288
Ind. Truck Oper.	440			37
Punch Press Oper.	421			161
Serv. Stat. Attendant	284			37
Light Truck Driver	685			15
Farm Mach. Set-up	67			6
Machine Set-up	238			47
Carpet & Linoleum Layer	173			4
Telephone Operator		240		10

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PRIVATE SECTOR

OCCUPATIONS	CENIS	Aver. of CENIS & E.S.	E.S.	EST. Placement
Dept. Head Supermarket	170			1
Salesperson - Food	119			1
Salesperson - General				2
Retail Store Mgr.	104			1
Civil Engr. Tech.	257			1
Dry Wall Installer	117			1
Mgr. Serv. Dept.				1
Roofer		127		1
Feed Mixer	95			1
Salesperson Auto Parts				1
Painter - Brush Spray				1
Lab Tech.				1
Draftsman			139	24
Draftsman (Arch., Struc.Mech.)	357			
Surveyors	32			4
Accountant - Auditor			284	24
Cashier - Checker		710		141
Bank Teller		338		98
Shipping - Rec. Clerk		197		30
Delivery & Routeman			328	42
Adult Foster Care				15
Counter - Fountain			187	20
Waiter - Waitress		2043		272
Bartenders			143	20
Laundry-Dry Cleaning		363		43
Guards - Watchman			109	8
Tool-Die Maker		223		154
Chem. Op. II				40
Cost Estimator	17			9

Source: Iowa Manpower Study

Economic Outlook Narrative

A. Employment

1. Population trends in Area XIV based upon "Iowa and Midcrest Population trends 1950-1970" shows that in 1950 the population as 93,745; in 1960, 81,325; and in 1970, 61,847. This is an average decline in population of 11.5%. Based on updated figures as of July 1, 1972 from the Office of Planning & Programming a slight increase in population is noted to 62,900.
2. A comparison of the elderly population indicates that 18% of the total population in Merged Area XIV is 65 or older. (Midcrest Extension)
3. Out migration is also a factor in Merged Area XIV. Through the years 1950 to 1970 an average of 14.8% of the population out migrated. (Midcrest Extension)
4. The total labor force for Area XIV includes 16,278 males and 8,158 female workers, for a total work force of 24,436.
5. The current and projected labor market needs within Area XIV for Fiscal Year 1975 are shown on the next four pages. This was compiled by the local Employment Security Office.
6. The five most prominent occupations, based upon the Manpower Information for Affirmitive Action Programs, 1974, by the Iowa Employment Security Department indicates the following:

1.	Farm Workers	32%
2.	Service Occupations, except Household	12%
3.	Professional, Technical & Related	11%
4.	Clerical and Sales	10%
5.	Craftsmen, foremen & related	8%

B. Unemployment

1. The current rate of unemployment based upon information from the Office of Planning and Programming is 4.0% for females and 2.1% for males within our Area XIV. The unemployment rate last year averaged 4.2%. This indicates a decline in unemployment in this area.
2. Some factors that significantly affect this rate have strongly been due to (1) progressive manpower programs, (2) a moderate increase in industrial development and expansions, (3) expanding institutional training programs and (4) a decline in the rate of returning Viet Nam Veterans.

C. Industry

1. The most prominent industries in our area include:
    - a. Agriculture
    - b. Manufacturing
    - c. Service Occupations
2. The type of occupations demanded by these industries include:
    - a. Semi-skilled or skilled Farm Workers
    - b. Unskilled or semi-skilled Factory Workers
    - c. Semi-skilled or skilled Service Workers
    - d. Skilled Health Care Workers
    - e. Skilled Trades Workers
    - f. Semi-skilled or skilled Clerical & Sales Workers

D. Industry Forecasts

1. Considerable efforts and dollars have been used to encourage industrial development in Area XIV. It is expected that existing industry will continue at their present rates with moderate increases in specific areas. It is also expected that industrial forecasts will have influence on the labor market.

E. Public Service Employment

Specific Occupational Areas that will be required are:

1. Solid Waste Disposal
    3 Facility Directors
    15 Drivers
    2 Mechanics
2. Sewage Treatment
3. Water Supply and Treatment
    5 Facility Directors
    7 Assistants
4. County and City Street & Maintenance
5. Herbisida & Insecticides Certifications
6. Law Enforcement
7. Fire Prevention

Source: "Local Manpower Recommendations, AREA XIV"

TABLE XLVII

Identification of Current and Projected Labor Market Needs within Area XIV for FY'75

JOBS	LOCATION	SALARY	SKILL LEVEL REQUIRED	BARRIERS TO EMPLOYMENT	FY'75 NEED
Structural	Area XIV	$2.50 to $5 per hr.			
Carpenter			In all categories, vocational training plus experience in the field.	Lack of sufficient people with training and experience. Non-availability of training facilities. Distance between facilities offering training is great. Lack of transportation facilities	15/30
Electrician					8/20
Maintenance (industrial)					4/8
Welders					12
Painters					10/20
Plumbers					10
Heating A/C					10
Bricklayers					5/8
Operating Engineer		$4 to $5.50 hr.			6/20
Structural Steel Worker		$4 & up			4/8
Machines Trades	Area XIV				
Combustion Engine Mech.		$100 to $150 wk. or comm.	Same as above	Same as above	20
Machinist		$2.75 to $4.75 hr.	Same as above. One employer in the area conducts company operated OJT.		20
Farm Equip. Mechanics Set Up		$2 to $3 hr.	Same as above except two employers in area would have OJT contracts.		10/20
Sewing Industrial					20/30
Service Occupations	Area XIV				
Private Hsehld. Wrk.		$1.50 to $2 per hr.	Prefer exp., employer will train	Lack of interest and monetary incentive	50/75

Identification of Current and Projected Labor Market Needs Continued

Jobs	Location	Salary	Skill Level Required	Barriers to Employment	FY'75 Need
Service Cont.	Area XIV				
Restaurant Workers		$1 to $2 hr.	Prefer exp., employer will train	Lack of interest and monetary incentive	30/60
Cooks		$1.75 to $2.25 hr.	" "	" "	15/25
Nurse Aids		$1.60 to $2 hr.	Prefer adult education	" "	30/60
LPN		$2 to $3 hr.	Vocational Education course	" "	30/60
Janitors		$350 to $500 Mo.	Experience preferred	" "	10/15
Housekeepers INST.		$1.60 to $2.50 hr.	Experience Preferred	" "	6/20
Cosmetologists		50-60% Comm.	Licensed	Distance to training facility	8/25
Nursing Home Activity Dir.		$500 to $800 Mo.	Academic and pratical experience required	Lack of awareness of available jobs and educational training opportunities	15
Laborers					
Factory		$1.60 to $3.50 hr.	Employers will train	Employers lack trained staff and finances to train new and working employees	300/350

Identification of Current and Projected Labor Market Needs Continued

JOBS	LOCATION	SALARY	SKILL LEVEL REQUIRED	BARRIERS TO EMPLOYMENT	FY'75 NEED
Professional	Area XIV				
Medical Personnel					
Dentists		$500 to		Lack of graduates coming from	8/10
Doctors		$600 Mo.		professional colleges willing	8/10
Nurses		for Nurse		to locate within area	10/20
Phys. Therapists		Other Prof.			5/10
Res. Psychiatrist					2
Optometrists					4
Agriculture	"				
Farm & Ranch Mgmt.		$600 to $1000 Mo.	Knowledge of complete farming operation including cattle and swine		10/20
Farm Workers		$1.75 to $2 hr. or $300-$500 Mo.	Employers want experienced help	Insufficient pay as inducement. Long hours and undesirable working conditions	40/70
Clerical & Sales	"	$1.50 to $3 hr. Comm. Basis	Experience or vocational trainee at the high school or community college level	Commission salary does not attract a high percentage of applicants. Clerical opport. are selective and employers desire the best qualified	70
Secretary		$2.50 & up	Experienced or College trained (Incl. Comm. College)	Employers demand qualifies	8/20
Counterman Farm Equip. & Auto Parts		$1.60 to $2 hr.	Experience or vocational trainee at the high school or community college level	Salary does not attract high percentage of apps.	8

Part II Occupational Needs Summary

Private Sector

DOT-CODE	TITLE	Add'l FY 75 Needs	No. to be Placed Direct	No. to be placed After Services
250.292	Sales Workers	70	30	40
289.358	Sales Person (Parts)	15		15
355.878	Nurse Aide	60	10	50
354.878	Nurse Practical	20	5	15
075.378	Professional Nurse	20	3	17
	Physical Therapists	5		5
30	Private Household	75	25	50
321.138	Housekeeper	20	5	15
860.281	Carpenter	40	5	35
861.	Brickmason & Tile Setter	15		15
840.	Painter & Paper Hanger	15	5	10
801.781	Struct. Metal Worker	8	8	
862.381	Plumber, Pipe fitter	20	3	17
637.281	Heating & Air Conditioning	10	2	8
219.388	Clerk, Typist	60	10	50
219.	Secretary	40	5	35
899.281	Industrial Maintenance	30	10	20
859.883	Operating Engineer	10	5	5
787.782	Industrial Sewing	30	15	15
824.281	Electrician	20	5	15
720.281	Radio & T.V. Mechanic	15		15
600.280	Machinist	20	10	10
624.281	Farm Equip. Mechanic	25	5	20
409.168	Farm Manager	20		20
421.883	Farm Hand	70	50	20
929.887	Laborers (Factory)	350	200	150
81.	Welder & Flame Cutter	8	3	5
313.381	Cook	25	5	20
311.878	Waiter & Waitress	60	40	20
332.271	Cosmetologists	25		25
187.118	Nursing Home Activity Director	15		15

Public Sector

DOT-CODE	TITLE	Add'l FY 75 Needs	No. to be Placed Direct	No. to be placed After Services
382.884	Janitor, Sexton	15	5	10
955.782	Sewage Plant Attendant	10		10
954.782	Water Treatment Plant Operator	7		7
	Solid Waste Disposal	4		4
375.	Police and Other Law	15		15

Occupational Need and Employment Opportunities:

The Public Sector Occupational Needs Summary is not as easily analyzed as the Private Sector. The main reason being that occupational opportunity data is not developed as much as the Private Sector. This is an emerging sector that is influenced by new legislation, municipal ordinances, etc.

The employment estimates identified by occupation on the following table represent the best judgement of local people, after consultation with elected officials, officers of municipalities, survey efforts, data compiled via experience from other public employment programs, data provided by public agencies, etc.

The occupations identified, in some cases seem similar, which is a result of not wishing to make an arbitrary judgement to over-generalize incorrectly occupations that may seem similar, but are much different when characterized at the local level.

The intent of the legislation, which authorizes CETA services, must be considered in the analysis of the occupational training required for the jobs idenitfied on this table.

An over-view of the occupations identified indicate that entry level requirements range from a minimum of training (custodian) to a college degree (teachers).

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES

PUBLIC SECTOR

OCCUPATION	EST. PLACEMENT
Nurse Aide/Orderly	590
Patrol Person	91
Clerk, General]	82
Child Development Worker	75
Nurse, LPN	65
Nurse, Reg.	63
Sewage Plant Operator	61
Water Treatment Operator	55
Teacher Aide	54
Porter I	52
Mechanical Eng. Aide	48
Child Care Aide	45
Ambulance Attendant	43
Elem. Teacher	35
Secondary Teacher	33
Radio Dispatcher	31
Community Center Dir.	30
Park Worker	27
Secretary	25
Law Enforcement	22
Conservation Aide	20
Auto Mechanic	18
Caseworker	17

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES
PUBLIC SECTOR

OCCUPATION	EST. PLACEMENT
Janitor - Sexton	17
Park Caretaker	16
College Teacher	15
Firefighter	15
Bookkeeper	14
Librarian	13
Bus Driver	13
Outreach Worker	13
Court Clerk	12
Rehab. Facilities Spec.	12
Recreation Super.	11
Heavy Truck Driver	10
Solid Waste Technician	10
Counselor	10
Nurse, Professional	10
Civil Engr. Technician	10
Physical Therapist	9
Social Welfare Worker	9
Water/Sewer System Tech.	9
Case Aide	9
Physical Therapy Att.	7
Street Mtn. Worker	7
Child Development Worker	6
Income Mtn. Worker	6
Clerical Occupations	6
Solid Waste Disp.	5
Motor Grader Operator	5
Homemaker - Health Aide	5
Physical Therapist	4
Program Aide	1
CETA Training - Ed person	4
Community Organization Worker	3
Sanitary Landfill Operator	3
Manpower Planner	3
Environmental Specialist	3
Operating Engineer	3
Sanitation Inspector	3
Program Director	2
CETA - OJT Placement person	2
Drug Abuse Coordinator - Counselor	2
Medical Emergency Technician	2
Tree Planter	2
Cemetary Worker	2
Licensed Nurse	2
Administration - Municipal	2
Employment Interviewer I	1
Health Ed. Coordinator	1

OCCUPATIONAL NEED AND EMPLOYMENT OPPORTUNITIES
PUBLIC SECTOR

OCCUPATION	EST. PLACEMENT
Housing Specialist	1
Electrical Inspector	1
Building Inspector	1
Plumbing-Heating-Venilation-Air Cond. Insp.	1
Evaluator - Clerical	1
Draftsman - Civil	1
Recreation Leader	1
Regional Planner	1
Land Planner	1
Radio Dispatch Clerk	1
Custodian	1
Street Equip. Operator	1
Engr. Aide	1
Auto, Truck Mech.	1

X. DEVELOP ALTERNATIVES & FINANCING

DEVELOP ALTERNATIVES & FINANCING

It was the consensus of the Working Committee although a five year program was recommended that the specific approach to implementing the concept of Career Education in the local schools offerings depend upon the local Boards, Administrators, and teachers and that the Area XIV survey could be used as a catalyst and planning guide in this implementation procedure. Program possibilities should be based upon local, area, and state needs where resources are available for these programs dependent upon the kinds of programs recommended. Once the needs of the area and local school districts have been determined, it is then their responsibility to finalize programs, resources, and cooperative possibilities.

XI. FIVE YEAR PLAN

FIVE YEAR PLAN

The Working Committee did recommend the Five Year Plan as recommended in the Career Education Survey of Area V for implementation.

RECOMMENDATIONS TO IMPLEMENT CAREER EDUCATION
Over 5-Year Period

Year 0

Fall Semester	Step 1--The first step in an effort to plan a program of career education is to analyze this Career Education Planning Study. Vital areas which must be considered are staff needs, financial capability and present curriculum offerings, and student needs. This career education study provides important information for schools embarking on a program of career education.
Fall Semester	Step 2--A comprehensive and persuasive program of public information should be established to provide the public with career education information and to gain their support.
Fall Semester	Step 3--It is essential to secure from the Board of Education a firm commitment to implement career education. Local schools should provide information to the Board which will substantiate the need for a career education program.
Mid-Year Spring Semester	Step 4--Conduct a series of staff development and orientation meetings to develop the thrust of career education programs. The staff should analyze their present curriculum offerings in terms of present objectives and student learning activities that were supplied to this study and compare these to the career education objectives and activities as supplied from the Iowa model and/or other state models in the career education movement. From this analysis, curriculum modifications can be made where needed to more fully meet the career education objectives.

Spring Semester	*Step 5 --Establish a career education advisory and/or* steering committee. The make-up of such a committee should fully reflect: A. The needs of the local school system, B. The needs of the local community and the community-at-large. It should consist of both educators and lay citizens from the world of work. Its purpose is to give major impetus to the local school for the career education movement.
Spring Semester	Step 6--The local steering committee should make use of the Student Interest Survey in determining the career education needs of students. This information is provided in Chapter III in this study. In addition, the Student Interest Survey for Cluster Programs will also be useful in planning career education activities for high school seniors.
Spring Semester	Step 7--To implement the concept of Career Education centers it is necessary that the centers be located in communities with large base populations to support and fill out classes that can be filled with students from smaller school districts. For example, a center in Creston would be supported by Creston High School students with other classes being filled by local school districts. It should be noted, however, that these programs could be offered between cooperating high schools even if they are smaller by cooperative efforts between 2,3,4, or 5 high schools.
Spring Semester	Step 8--Work with personnel of Southwestern Community College to establish plans for a cooperative K-12 career education programs.
June 30	Step 9--Employ a career education coordinator.
Year 1	
Fall Semester	Step 10--Initiate K-3 phase of career education program. The first semester of the program should provide for in-service staff development with a minimum of 300 clock hours of in-service work for those instructors identified by their local school system as the group trained cadre. The second semester of the program should develop the curriculum implementation whereby the trained cadre

begin to implement career education curriculum materials into the existing curriculums within the schools. The third phase is the evaluation phase which would follow the spring semester and culminate the first year's activities. It is essential that the guidance counselor from each school system be totally involved in the career education project and suggested initial involvement would be as a member to the advisory or steering committee.

Spring Semester Step 11--An in-service program for administrators should be conducted.

Year 2 Step 12--Initiate program for grades 4-6. Follow the same format for step 10.

Year 3 Step 13--Initiate program for grades 7-8. Follow the same format for step 10.

Year 4 Step 14--Initiate program for grades 9-10. Follow the same format for step 10.

Year 5 Step 15--Initiate program for grades 11-12. By this time the development of career education centers should be functioning (see step 7) and in addition to this the format developed in step 10 can be implemented for grades 11 and 12 in the local school. The career education center concept will complement and supplement those curriculum offerings that are available in each local school system.

**Step 16--In order to plan a career education program for adults, the community college will study the Mid-career Redirection Survey and the CENIS project for implications that will be helpful in planning career education activities for adults. Special attention will be paid to the Independent Learning Center as a delivery system for career education that will supplement and complement the development of the K-12 program and the present career education offerings at the community college level. A steering committee will be established to plan the career education program for adults.

**NOTE: Step 16 can be initiated to parallel the 5-year sequential development of the career education centers.

XII. LIMITATIONS OF STUDY

LIMITATIONS OF STUDY

1. Recommendations based on this Study could not be more specific on the financial basis because this is an individual school perogative.

2. The private school sector in Merged Area XIV was surveyed, however, no reply was received.

3. Twenty schools out of twenty-two in Area XIV responded to the Administrative Surveys.

XIII. RECOMMENDATIONS

RECOMMENDATIONS

1. Based on our findings from the CENIS Full-Time Employment, Labor Demand and Student interest survey there are areas of employment, need in the future, and student interest enough to warrent local school training to prepare students for these areas which do not require enough employment for the college to set up separate programs. The jobs are there and there is student interest enough that these interested students should receive necessary training.

2. Working Committee of Area XIV Superintendents recommended that all teachers of Area XIV Community Schools be required to attend a Career Education in-service workshop on Career Education this fall.

3. Most local school districts could provide a preparatory program through cooperative vocational education using local businesses and industry as training stations. In some cases, however, school districts are so small that they should possibly consider a cooperative effort between themselves and another school district to provide this educational program.

4. Administrators, faculty, and Boards must be apprised of the Career Education philosophy and its inner workings so they will be better able to provide the leadership and direction toward this end. Therefore, a great need exists for in-service development and workshops oriented towards this end.

5. Personnel from the area school be used to provide assistance in counseling and in helping to develop preparatory and Career Education programs at the local level along with other consultants.

6. Recommend program possibilities should be based upon local, area, and state needs where resources are available for these programs dependent upon the kinds of programs recommended.

7. The Working Committee did recommend the Five Year Plan as recommended in the Career Education Survey of Area V for implementation.

March 10, 1975
Department of Social Services Recommendations
Area XIV Career Education Needs Assessment Study

1. Department of Social Services recommended that all agencies work with schools in Area XIV in the area of placement for students and clients.

2. Recommended that all agencies and schools cooperate in evaluation of clients and placement in an exploratory program to find final employment interest of clients.

3. Recommended that a center be established for this evaluation work in cooperation with all agencies, all schools and the college (Southwestern Community College).

4. Mr. Steffensmeier mentioned the "Helping Hands Project" in which high schools might want to send students to the Sheltered Workshop Centers throughout Area XIV for a certain length of time each day to help these clients on a one-to-one basis. The high school student then might receive some credit for his or her assistance. Southwestern Community College may want to also consider the training of older volunteers.

5. Recommended we might look for additional ways in which the A.E.A., Southwestern Community College or school districts might help clients. A possibility once again of evaluation centers was mentioned.

6. A suggestion from Mr. Steffensmeier was that Southwestern Community College might look at the possibility of preparing handymen with emphasis on retired farmers and older men with some basic skills already.

7. Recommended that schools and Southwestern Community College could work cooperatively with the Foster Parents Association in providing a training program for foster parents.

8. Recommended that Social Services and Southwestern Community College work on training nurses and social workers for their first two years of academic classes at the college. Also these agencies would work on placing the trained nurse or social worker in rural areas near their homes.

XIV. DISSEMINATION OF THE STUDY

DISSEMINATION OF THE STUDY

All schools, public and private, in Merged Area XIV received copies of the study. In addition to this, each of the Merged Area Schools in Iowa received copies. Additional copies are available from the Department of Public Instruction, Career Education Division, Grimes State Office Building, Des Moines, Iowa, 50319

APPENDIX

APPENDIX

A. Abstract of Project Proposal

B. Working Committee Members

C. General Advisory Committee Members

D. Minutes of Working Committee Meetings

E. Minutes of General Advisory Committee Meetings

F. School Visitation Schedule

G. Parent Survey Instrument

H. Teacher Survey Instrument

I. Administrator Survey Instrument

J. Student Survey Instrument

K. Monthly Reports

L. Quarterly Reports

M. Basic Resource Documents on Career Education

A. ABSTRACT OF PROJECT PROPOSAL

ABSTRACT

CONTRACTING AGENCY: Southwestern Community College
1501 W. Townline Street
Creston, Iowa 50801

PROJECT DIRECTOR: James D. Cross
Director of Career Education
Southwestern Community College

PROJECT TITLE: Area XIV Career Education Needs Assessment Study

OBJECTIVES:

1. Establish the extent of need of Career Awareness exploration, preparation and supplementary training opportunities for K-Adult persons of Merged Area XIV.
2. Identify existing resources for the implementation of Career Education in Merged Area XIV.
3. Estimate additional resources required to meet Career Education needs in Merged Area XIV.
4. Establish the extent of need for Career Awareness exploration preparatory and supplementary training opportunities for the clients of the various Social Agencies in Merged Area XIV.
5. Develop recommendations based upon information gathered, regarding the role of schools and agencies in the community in the delivery and coordination of Career Education and Suport Services.

ABSTRACT

PROCEDURES:

1. Establish an advisory committee made up of people representing Business, Social Agencies, Parents, Agriculture, Industry and Education.

2. Develop a working committee of Area Superintendents and Area School Personnel.

3. Determine Student Needs and Interests in Area XIV.

4. Determine Local school needs in Career Education

5. Determine social agency client needs

6. Determine Social Agency Needs

7. Determine Student Enrollments and Trends

8. Determine Geographical Constraints

9. Determine resources available to provide Career Education

10. Determine the potential for employment opportunities in Area XIV relative to preparatory programs.

11. Develop alternatives and financing.

12. Present alternatives to Working Committee

13. Develop plan of action to implement the selected alternatives.

12. Prepare final report.

13. Following a joint meeting of the working committee and appropriate Department of Public Instruction personnel at the conclusion of the study, the Director and Southwestern Community College in cooperation with Area XIV Superintendents and AEA.

PROJECT DATES:

1 February 1975 to 31 October 1975

BUDGET:

	State	Local	Total
FY 75	$8,000	$2,000	$10,502
FY 76	2,000	566	2,566
Total	$10,000	$3,068	$13,068

B. WORKING COMMITTEE MEMBERS

WORKING COMMITTEE MEMBERS

James D. Cross
Project Director
Southwestern Community College
Creston, Iowa 50801

Ralph Rogers, Superintendent
Lenox Community Schools
Lenox, Iowa 50851

Dr. Gerald Knoll, Superintendent
Bridgewater-Fontanelle Community Schools
Fontanelle, Iowa 50846

Mary E. Wilson, Coordinator
Southwestern Community College
Creston, Iowa 50801

James P. Ranck, Superintendent
Prescott Community Schools
Prescott, Iowa 50859

Dr. Kenneth Mallas, Superintendent
Corning Community Schools
Corning, Iowa 50841

Gerard Nicklaus, Superintendent
East Union Community Schools
Afton, Iowa 50830

C. GENERAL ADVISORY COMMITTEE MEMBERS

GENERAL ADVISORY COMMITTEE

Dr. Patrick Kelly, Administrator
Green Valley Area Education Agency
Area XIV
Creston, Iowa 50801

Chuck Ehm, Vice-President
Iowa State Savings Bank
Creston, Iowa 50801

Mrs. Gretchen Berg, Manager
Iowa State Employment Security
Creston, Iowa 50801

Ms. Betty Wargo, Social Worker
Department of Social Services
Creston, Iowa 50801

Robert LaValley
Wellman Dynamics
Creston, Iowa 50801

Kenneth Matthews, Instructor
Building Trades
Southwestern Community College
Creston, Iowa 50801

Roy Bastian
Regional L.R.C.
Red Oak, Iowa 51566

Gary Underwood, Counselor
Vocational Rehabilitation
1501 W. Townline
Creston, Iowa 50801

Dr. Kenneth Mallas, Superintendent
Corning Community Schools
Corning, Iowa 50841

Leo C. Kaster, Editor
Afton Star Enterprise
Afton, Iowa 50830

Mrs. Judy Dietrich
808 W. Jefferson
Creston, Iowa 50801

James D. Cross, Project Director
Southwestern Community College
Creston, Iowa 50801

Mary E. Wilson, Coordinator
Southwestern Community College
Creston, Iowa 50801

D. MINUTES OF WORKING COMMITTEE MEETINGS

Area XIV Career Education Assessment Study
Working Committee Minutes
March 5, 1975

Members Present: Gerard Nicklaus, Ralph Rogers, Dr. Gerald Knoll, James P. Ranck,
Mr. James Cross, and Mary Wilson
Members Absent: Dr. Kenneth Mallas

The monthly report for the progress of the assessment study for Area XIV was read.

Discussion was held on the rough draft of the student survey to be given to 10th and 11th grades.

The following changes were made: 1. Would you attend a two hour occupational exploratory program from 2:30-4:30 daily? (yes or no) Changed to read: Would you attend a career exploratory or preparatory program? circle one (yes or no)

2. How far would you drive to these classes (mark one) 1-10 miles 11-20 miles 21-30 miles over 30 miles. Changed to read: How far would you drive to these classes at your own expense? (circle one) 1-10 miles 11-20 miles 21-30 miles over 30 miles.

The following questions were added to the survey: 1. Would you be interested in: (circle one) night classes summer classes

2. Would you be interested in an on the job training program in the: (check one or both) summer regular school year

It was decided to use the Department of Public Instruction's occupational areas in the student survey.

The survey to assess existing career education efforts and the need for career education in each school district will be administered to Superintendents, Principals (elementary, Junior High, and High School) and Counselors.

It was felt by the committee that teachers knowledge and involvement in career education should be determined. A survey will be sent to each school district in Area XIV to 10% of each school's teaching staff. Out of the 10%, Mr. Cross would like to have teachers from elementary, Junior High and Senior High levels involved.

The committee discussed a career education workshop day for the coming school year to which all teachers would be required to attend. Mr. Cross and Dr. Pat Kelly, Administrator, A.E.A. will work on this project.

Area XIV Career Education Needs Assessment Study
Working Committee Minutes
June 11, 1975

Members Present: James P. Ranck, Ralph Rogers, James D. Cross, Project Director, and Mary Wilson, Coordinator

Members Absent: Gerard Nicklaus, Dr. Gerald Knoll, and Dr. Kenneth Mallas

Ralph Rogers told Mr. Cross that if he presented another bill for $50.00 with a letter of explanation to A. Joe Whitaker, Superintendent of Schools, that Mr. Whitaker would pay the bill for Villisca and Stanton schools for the Needs Assessment Study. Mr. Rogers also felt another billing should be sent to Lamoni and Grand Valley schools.

The Center approach for implementing Career Education into Area XIV schools was discussed. Mr. Rogers felt that joint centers of schools would work better. Two [illegible] three schools could work jointly on offering Career Education to students of these schools. If one school has an excellent metals shop [illegible] two other nearby schools could participate in this course. Mr. Rogers felt this way the Boards of Directors for the different schools could work on what programs would be offered.

The Superintendents present stated that class scheduling will be a big problem.

Mr. Ranck and Mr. Rogers stated that the joint centers approach will have to be taken by each Superintendent to his Board of Directors.

Mr. Rogers felt that before anything is done, all schools need to evaluate what is being offered, what is needed; which can be taken from the student survey done for the Needs Assessment Study; and what is available. These things need further study before effective joint groupings of schools can be made.

It was decided to adopt a 5 Year Implementation Plan for Career Education for our Area XIV Career Education Needs Assessment Study.

Both Mr. Ranck and Mr. Rogers felt it would be good to send a rough draft copy of the Needs Assessment Study to all Superintendents in Area XIV for feedback before the final draft is done. Mr. Rogers asked Mr. Cross to write a letter to Dr. Ken Wold of the Department of Public Instruction to request an extension on the Grant. He felt that if we send a rough copy out in July when all Superintendents are on vacation, we will not get any response. If it is sent out by August 15, then they could be back in Mary Wilson's office by September 15. The final draft with Superintendents' comments and additions could be typed and sent to the printers by the first of October with the evaluation meeting of the D.P.I. representatives, Working Committee, Mr. Cross and Mrs. Wilson in the last part of October. Mr. Cross and Mrs. Wilson indicated that an extension of the Grant would not be a problem budget wise.

E. MINUTES OF GENERAL ADVISORY COMMITTEE

CAREER EDUCATION NEEDS SURVEY

Advisory Committee Meeting
Tuesday, April 19, 1975

The meeting was called to order in Room 180 at Southwestern Community College at 4:06 p.m. The following members were present:

Patrick Kelly, Green Valley Area Education Agency
Gretchen Berg, Employment Security
Betty Wargo, Social Services
Robert LaValley, Wellman Dynamics
Kenneth Matthews, Southwestern Community College
Roy Bastian, Learning Resource Center
Kenneth Mallas, Corning Community School
Leo C. Kaster, Afton-Star Enterprise
Judy Dietrich, Parent Representative
Emeron Dettmann, Department of Public Instruction
James D. Cross, Southwestern Community College
Mary Wilson, Southwestern Community College

Gary Underwood of the Vocational Rehabilitation Office and Chuck Ehm, Iowa State Savings Bank, were unable to attend.

Mr. Cross began the meeting with a brief background of the Career Education Needs Survey. He indicated that Area V Community College, of Fort Dodge, took a similar survey on an area-wide basis and compared the curriculum which schools were offering and what could be offered. After the surveys completion, Area V began to make the needed changes in their schools. Other area schools followed this example by making application for making this survey. He indicated that Southwestern Community College is now researching schools, industries, and social service agencies to help students by enabling schools to work together on an area basis to offer career education. Mr. Cross added that July 1, 1975, is the date when career education is required by law to be included in school curriculums.

Mr. Dettmann spoke on the concept of career education. He indicated that career education emphasizes practical education and aids in decision-making policies. One of the most important concepts is a student's learning to know more about himself to aid in career choices.

Mr. Dettmann added that career education is integrated into the existing curriculum. It was emphasized that the proposed education development is in vocational education which is only a part of career education. Vocational education is the developing of skills after a career decision is made.

Next, Mr. Dettmann discussed basic concepts of career education: feelings about self and the world of work. The usefulness of career education in enriching current curriculums and the need for a career-oriented attitude of instructors was discussed.

Mrs. Wilson then reviewed materials which the committee had received. Firstly, she discussed her activities and progress in the coordination of this survey thus far as shown in a quarterly report. Copies of the teacher surveys results were then distributed and discussed. The committee was encouraged by the surveyed faculty's understanding of career education and its concepts.

The results of the survey on further plans of Area XIV; Grades 10 - 11 were discussed as were the occupational clusters inventory survey and a Department of Public Instruction report on fiscal conditions and student drop-out rates on an individual county basis in Area XIV.

Local manpower recommendations, fiscal needs, and enrollment figures were discussed. Mrs. Wilson concluded by relating her further work plans which include compiling other surveys and preparing a final report for printing.

Mr. Cross asked for any comments or suggestions on the Needs Survey. Dr. Kelly asked what plans Southwestern Community College has. Mr. Cross indicated that Exploratory programs are planned to be continued with further development. Dr. Kelly suggested that a series of five to ten meeting be held to further educate instructors. He suggested that these be held in each community. Mr. Dettmann indicated that Area V employs a coordinator for the education in career education for students and instructors. The committee expressed a need to determine the current understanding of career education by instructors.

General consensus of the committee is that each local school must become interested in career education and that this committee can begin to draw people together to work in cooperation in developing this concept more fully. They feel that each group throughout the community will play an important role in this development and stressed the important part which parents will have.

The meeting adjourned at 6:06 p.m.

Respectfully submitted,

Marilyn Kembery
Secretary

F. SCHOOL VISITATION SCHEDULE

Area XIV Career Education Needs Assessment Study
Visitations To Area XIV Community Schools

March 24, 1975 - Monday

East Union Community Schools	9:00 a.m.
Creston Community Schools	11:00 a.m.
Prescott Community Schools	1:30 p.m.

March 25, 1975 - Tuesday

Lenox Community Schools	10:00 a.m.
Clearfield Community Schools	11:00 a.m.

March 26, 1975 - Wednesday

Red Oak Community Schools	10:00 a.m.
Corning Community Schools	11:30 a.m.
Stanton Community Schools	2:00 p.m.

April 2, 1975 - Wednesday

Villisca Community Schools	10:00 a.m.
Bedford Community Schools	1:30 p.m.
New Market Community Schools	3:00 p.m.

April 3, 1975 - Thursday

Diagonal Community Schools	10:00 a.m.

April 7, 1975 - Monday

Murray Community Schools	9:30 a.m.
Osceola Community Schools	11:00 a.m.

April 8, 1975 - Tuesday

Orient-Macksburg Community Schools	9:30 a.m.
Greenfield Community Schools	10:30 a.m.
Bridgewater-Fontanelle Comm. Schools	1:30 p.m.

April 9, 1975 - Wednesday

Lamoni Community Schools	10:00 a.m.
Morman Trail Community Schools	1:00 p.m.

April 11, 1975 - Friday

Central Decatur Community Schools	10:30 a.m.
Mount Ayr Community Schools	1:00 p.m.
Grand Valley Community Schools	2:30 p.m.

G. PARENT SURVEY INSTRUMENT

PARENT QUESTIONNAIRE

______________________________ School District

INSTRUCTIONS: Please respond to the statements below by circling one of the four responses after each statement. Mark SA if you strongly agree with the statement, A if you agree to some extent but not strongly, D if you disagree to some extent but not strongly, and SD if you strongly disagree with the statement.

1. Our schools should provide activities which help students develop a healthy value system. SA A D SD
2. Our schools should provide activities which help students develop positive feelings about themselves. SA A D SD
3. Our schools should provide activities which help students develop vocational interests. SA A D SD
4. Through activities provided by our schools, students should be helped in choosing careers in line with their own abilities, interests, and goals. SA A D SD
5. Our schools should provide activities which help students learn to make proper use of their leisure time. SA A D SD
6. Our schools should provide activities which help them learn about the world of work. SA A D SD
7. Our schools should provide activities which help students develop positive attitudes toward work. SA A D SD
8. Our schools should provide activities which teach students to appreciate the dignity and value of work. SA A D SD
9. Our schools should provide activities which help students understand the economic nature of the nation. SA A D SD
10. Our schools should provide activities which help students plan careers. SA A D SD
11. Our schools should provide activities which help students select careers. SA A D SD
12. Our schools should provide activities which help students learn about the relationship between education and work. SA A D SD
13. Our schools should provide activities which help students learn skills that they will be able to use in their chosen careers. SA A D SD

H. TEACHER SURVEY INSTRUMENT

CAREER EDUCATION SURVEY -- TEACHERS

INSTRUCTIONS: Please read each of the statements below concerning your school. Indicate the degree of help the classes you teach give your students regarding each one of the statements below. Circle "1" on your answer sheet if you think your classes give students no help; "2" if you think your classes give students little help; "3" if you think your classes give students some help; "4" if you think your classes give students much help; or "5" if you think your classes give students a great deal of help.

	No Help	Little Help	Some Help	Much Help	Great Help
1. My classes help students learn the meaning of jobs and work.	1	2	3	4	5
2. My classes help students see their strengths and interests when they are thinking about choosing a job.	1	2	3	4	5
3. My classes have activities that help students choose a group of jobs to study.	1	2	3	4	5
4. My classes help students recognize and understand those things in their life that are important to them.	1	2	3	4	5
5. My classes help students plan to get the skills they need to know in the job they are planning for.	1	2	3	4	5
6. My classes help students see the special skills needed by people who work in various jobs.	1	2	3	4	5
7. My classes help students discouver their interests, abilities, and feelings that relate to a group of jobs that they think they might like to work in.	1	2	3	4	5
8. My classes help students see that a person's standard of living depends on the kind of job he has as a wage earner.	1	2	3	4	5
9. My classes help students see that school is a form of a job where success in basic skills is needed to be successful in whatever they are going to do.	1	2	3	4	5
10. My classes provide experiences for students to use tools and equipment that are used in various groups of jobs.	1	2	3	4	5
11. My classes help students get the skills that are basic to a single job they are planning for.	1	2	3	4	5
12. My classes help students match their interests and abilities with the skills that are needed in groups of jobs.	1	2	3	4	5
13. My classes help students see how their personalities may fit one kind of job more than another kind of job.	1	2	3	4	5
14. My classes have activities showing students why certain types of jobs require more education and training than other kinds of jobs.	1	2	3	4	5

(Mark 1 for Agree; 2 for Disagree)

15. The career education concept helps students in all grade levels and all subjects. Agree Disagree

16. The career education concept helps students who are preparing for job entry or vocational-technical education immediately after graduation. Agree Disagree

17. The career education concept helps students who are preparing to enter a four-year college or university. Agree Disagree

18. The career education concept is useful as a tool to motivate student learning. Agree Disagree

19. The career education concept can be implemented in my school district without outside help. Agree Disagree

20. Initiation of the career education concept will cause unusual changes in the school curriculum. Agree Disagree

21. The career education concept is being implemented in my classes. Agree Disagree

22. Please indicate your sex
1.Female 2.Male

23. How many years of educational work experience do you have?
1. one to five years
2. six to ten years
3. eleven to twenty years
4. twenty-one to thirty years
5. over thirty years

24. How many years of non-educational work experinece do you have (counting summer employment)?
1. one to five years
2. six to ten years
3. eleven to twenty years
4. twenty-one to thirty years
5. over thirty years

25. Check the sources from which you have received information about the career education concept.
1. Journals
2. films
3. in-service sessions
4. seminars
5. college courses

26. Please check your teaching classification.
1. Kindergarten through sixth
2. seventh through ninth
3. tenth through twelfth

27. What subjects do you teach?
    1. English, mathematics, science
    2. fine arts, foreign language
    3. physical education
    4. practical arts (Ag.,Bus.,DE,Home Ec.,Ind.Ed., Voc.,Coop.)
    5. social studies

I. ADMINISTRATOR SURVEY INSTRUMENT

Interview Data

(Team Visits to Area Schools)

Career Needs Assessment Of Merged Area XIV

Superintendents, Principals, Counselors

Career Education (definition utilized for this study): is the sequence of career development experiences, beginning in early childhood and continuing through adult life, that prepares individuals for present and future career opportunities. These experiences are offered through various programs, services, and activities which are designed and implemented to assist youth and adults develop attitudes and occupational competencies and gain employment which will result in meaningful career development.

Statement of the problem:

The local school districts in Merged Area XIV have joined forces with Southwestern Community College and the Area XIV Education Agency in a desire to develop and implement career education experiences for their students. The Merged Area XIV Superintendents Organization has endorsed this proposal.

With budgetary problems facing the schools, a cooperative approach to the career education needs of Merged Area XIV is expected to be fiscally possible.

With the social agencies actively involved with clients needing career educational experiences, consideration will be given to providing for them in the plan of action.

This proposed study will develop a sense of direction and a definite plan of action to provide career educational opportunities and experiences to the people of the area in the most efficient and effective manner possible.

Needs:

1. Determine scope and direction for the development of career education within the schools of Merged Area XIV.

2. Develop options for the delivery of career development experiences throughout Merged Area XIV.

3. Determine scope and direction for the inclusion of social agencies in the development of career education of Merged Area XIV.

4. Determine priorities for the development of career programs at Southwestern Community College.

Objectives:

1. Establish the extent of need of Career Awareness exploration, preparation and supplementary training opportunities for K-Adult persons of Merged Area XIV.

2. Identify existing resources for the implementation of Career Education in Merged Area XIV.

3. Estimate additional resources required to meet Career Education needs in Merged Area XIV.

4. Establish the extent of need for Career Awareness exploration preparatory and supplementary training opportunities for the clients of the various Social Agencies in Merged Area XIV.

5. Develop recommendations based upon information gathered, regarding the role of schools and agencies in the community in the delivery and coordination of Career Education and Support Services.

School ______________________________

Position ____________________________

Date ________________________________

Interview Format

I. Committment to Career Education

A. Formal written policy statement? ____yes ____no

Discussion will be centered on Career Education in these areas:

1. Awareness (Learning activities which develop concepts of self and positive attitutdes toward the world of work as the basis of later career decisions)

2. Exploration (Broad exploratory effort of several occupational clusters with "hands-on" experiences)

3. Preparation (Programs, services, or activities designed to provide the specific skills and knowledge essential for successful entry into an occupation)

4. Supplementary (Programs which provide training for persons who already entered the labor market and need training to be updated to achieve stability or advancement in their current employment)

II. Staff In-Service Training in Career Education

A. Administrative directed and planned

1. Pre-school workshop
   a. no. of days ______
   b. no. of teachers involved ______
   c. Grade levels represented ______
   d. Consultants used ____
   ____
   ____

2. During academic year
   a. no. of days ______
   b. no. of teachers involved ______
   c. Grade levels represented ______
   d. Consultants used ____
   ____
   ____

3. During summer months
   a. no. of days ______
   b. no. of teachers involved ______
   c. Grade levels represented ______
   d. Consultants used ____
   ____
   ____

B. Teacher directed and planned

1. Pre-school workshop
   - a. no. of days _____
   - b. no. of teachers involved _____
   - c. Grade levels represented _____
   - d. Consultants used ____
     ____
     ____

2. During Academic year
   - a. no. of days _____
   - b. no. of teachers involved _____
   - c. Grade levels represented _____
   - d. Consultants used ____
     ____
     ____

3. During summer months
   - a. no. of days _____
   - b. no. of teachers involved _____
   - c. Grade levels represented _____
   - d. Consultants used ____
     ____
     ____

C. Joint committee (admin--teacher) directed and planned.

1. Pre-school workshop
   - a. no. of days _____
   - b. no. of teachers involved ____
   - c. Grade levels represented ____
   - d. Consultants used ____
     ____
     ____

2. During academic year
   - a. no. of days _____
   - b. no of teachers involved ____
   - c. Grade levels represented ____
   - d. Consultants used ____
     ____
     ____

3. During summer months
   - a. no. of days _____
   - b. no. of teachers involved _____
   - c. Grade levels represented _____
   - d. Consultants used ____
     ____
     ____

D. Methods or Resources used in your in-service program

_____ 1. Speaker

_____ 2. Team of consultants

_____ 3. Role playing or simulation

_____ 4. Staff making career visits into the community

_____ 5. Multi-media presentations

_____ 6. Other

E. Evaluation of Career Education in-service completed.

___Excellent ___Good ____Fair _____ Poor

III. Curriculum Development

A. Integration of Career Education Concept into the curriculum.

1. Are you using commercially prepared materials? ___yes ___no
Comments: ____
____

2. Are you using staff prepared materials? ___yes ___ no
Comments: ____
____

3. Is the Career Education Curriculum coordinated K-12? ___yes ___no
Comments: ____
____

4. Do you use resource persons in curriculum development? ___yes ___no
Comments: ____
____

B. Evaluation method to ascertain students career education needs

Methods used:

1. Interviews with students ____ YES ____NO

2. Student surveys ____yes ____no

3. Study of employment opportunities ____yes ____ no

4. Review of Student's personal cumulative records ___yes ____ no

5. Other ____
Comments: ____
____

C. Job seeking skills are:

___ 1. Integrated into the curriculum

___ 2. Taught as separate entity

___ 3. or both (#1 and #2)

___ 4. Not taught

D. Suggestions for Career Education Curriculum Development

1.

2.

3.

IV. Use of Career Visits (Field Trips)

A. Does the School Board have a policy on career visits? ___yes ___ no

B. With the current emphasis on career education has there been a review of this policy? ___yes ___no

C. Are career visits coordinated by grade level and content?
___ yes ___ no

D. Areas for improvement or more extensive use of career visits

1.

2.

3.

V. Use of Community Resource People

A. Does the School Board have a policy on use of Community resource people?
___yes ____no

B. With the current emphasis on career education has there been a review of this policy? ___yes ____no

C. Administration--Are teachers encouraged to use Community resource persons? ___ yes ___ no

Counselors--Do you use Community resource persons? ___yes ___no
Comments: ____

D. Is the use of Community resource persons coordinated by grade level, and subject matter content? ___yes ___ no

E. Areas for improvement or more extensive use of Community resource persons.

1.

2.

3.

VI. Counselor activities in career education

A. Does the counselor assist in planning career visits? (Field Trips) ___yes ___ no

B. Does the counselor assist in coordinating use of Community resource persons? ___ yes ____ no

C. Does the counselor assist in career curriculum development? ____ yes ____ no

D. Does the counselor assist students in self-awareness as it relates to Career Education? ____ Yes _____ No

E. Does the counselor assist in understanding the educational alternatives? ____ Yes ____ No

F. Does the counselor assist students in awareness of the world of work? ____ Yes ____ No

G. Does the counselor assist in knowledge of skills and beginning competencies needed? ____ Yes ____ No

H. Does the counselor assist the student in directing him for exposure to employability skills? ____ Yes ____ No

I. Other

VII. Career Laboratory facilities

A. Junior High -- Middle School

1. Career Laboratories available (If yes, please check)

	Available to:			
	Boys only	Girls only	Coed	Spec. Ed.
a. Home Economics				
b. Industrial Arts . . .				
(1. woodworking . . .				
(2. metals				

(If yes, please check)
Available To:

	Boys only	Girls only	Coed	Spec. Ed.
(3. mechanics				
(4. plastics				
(5.				
c. typing				
d. agriculture				
e. other				

2. Career laboratories needing improvement or more extensive development.

   1.

   2.

   3.

B. High School

1. Career Laboratories available

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
a. Drafting				
b. Metal Shop				
c. Wood Shop				
d. Agriculture mechanics.				
e. Automotive mechanics .				
f. Computer programming Data processing . .				
g. Building trades (carpentry, plumbing, masonry, elect.). . .				
h. Electricity				
i. Electronics				
j. General Shop				

(If yes, please check)
Available to:

	Boys only	Girls only	Coed	Spec. Ed.
k. Horticulture				
l. General mechanics . . .				
m. Nursing				
n. Photography				
o. Trades & Industry . . .				
p. Business Occupations. .				
(1. Bookkeeping . . .				
(2. Journalism . . .				
(3. Office machines. .				
(4. Office practice .				
(5. Publications . . .				
(6. Salesmanship . . .				
(7. Shorthand.				
(8. Typing				
(9. Other				
q. Home Economics				
(1. Child Development				
(2. Clothing				
(3. Foods				
(4. Home Economics .				
(5. Tailoring				
(6. Family Living . .				
(7. Other				

	Available to:			
	Boys only	Girls only	Coed	Spec. Ed.
r. On-Job-Training Program				
(1. Distributive Education				
(2. Office Education				
(3. Agricultural Education				
(4. Trades & Industries				
(5. Other				
s. Work Release Program				
t. Special Education				

How are student's career needs being met

(1. Educable

(a

(b

(c

(2. Trainable

(a

(b

(c

u. Career Laboratories Needing Improvement or more extensive development.

A. Rank in priority order (1,2,3,4,5) the following career education needs as applicable to your school.

_____ (Staff) in-service -- teacher -- counselor -- administrator-- non cert. staff

_____ Curriculum development

_____ Coordinated use of Career visits (Field trips)

_____ Effective use of Community Resource people

_____ Coordinated use of career laboratories

B. What do you see as additional career education needs in your system?

1.

2.

3.

4.

C. Will your present school schedule allow release time for cooperative inter-school exploratory or preparatory career laboratory experiences for:

_____________ Junior High

_____________ Freshmen

_____________ Sophomores

_____________ Juniors

_____________ Seniors

Comments: _____________

____

____

D. Would transportation be a major problem if cooperative inter-school exploratory or preparatory career laboratories were planned?

Comments: _____________

____

____

J. STUDENT SURVEY INSTRUMENT

CAREER EDUCATION SURVEY FOR AREA XIV
HIGH SCHOOL SOPOMORES AND JUNIORS

Your school in cooperation with Southwestern Community College and the Area Education Agency for Area 14 are asking you to participate in this survey to find how your high school courses can be improved to meet your interest, plans, and needs in the future, both in school and out of school after graduation.

Information gained from this survey will be given to your high school so that consideration can be given to making your curriculum more responsive to your educational and career plans.

SECTION A

Name ______________________________ Address ______________________________

School ______________________________ Age ________ Sex ______ Grade ________

Are you interested in taking vocational or skill building types of courses for credit while enrolled in high school? (circle one)

Yes No

Are you interested in taking advanced college placement courses while you are still enrolled in high school and receive college credit? (circle one)

Yes No

What are your immediate plans after high school? (mark one)

__Homemaker
__Full-time employment
__Military Service
__No Plans
__Apprenticeship
__Two-year vocational school or community college
__Four-year college/university
__Private school (nursing, cosmetology, business)

SECTION B

This next section involves your looking at suggested career goals listed in three columns on the following pages. Please make three choices of career clusters that would be most interesting to you. Indicate your 1st, 2nd, and 3rd choices on the line in front of the career cluster listed below and write in the specific career goal (occupation) below your choices.

A__Agriculture & Conservation Occupations
____
B__Media, Art & Entertainment Occupations
____
C__Business & Office Occupations
____
D__Construction Occupations
____
E__Maintenance & Repair Occupations
____
F__Manufacturing Occupations
____
G__Sales Occupations
____
H__Food Service & Lodging Occupations
____
I__Health Occupations
____
J__General Service Occupations
____
K__Scientific Occupations
____
L__Transportation Related Occupations
____

Would you attend a career exploratory or preparatory program? (circle one)

Yes No

How far would you drive to these classes at your own expense? (circle one)

1-10 mi. 11-20 mi. 21-30 mi. over 30 mi.

Would you be interested in: (circle one)

Night classes Summer classes

Would you be interested in an on the job training program in the: (check one or both) Summer Regular school year

AGRICULTURE AND CONSERVATION OCCUPATIONS

- General agriculture or conservation worker
- General, livestock, or crop farmer
- Farm manager
- Feed mill elevator operator
- Grain and feed products salesman or buyer
- Farm implement or garden equipment salesman
- Farm equipment mechanic
- Farm machinery set-up man
- Animal husbandryman
- Poultryman
- Seed analyst
- Agronomist
- Forester
- Nurseryman
- Landscaper
- Groundskeeper
- Horticulturist or florist
- Park ranger or foreman
- Wildlife gamekeeper
- Conservation officer
- Exterminator
- Soil conservation aid
- Extension agent
- Veterinarian
- Veterinary assistant or technician
- Other, specify

CONSTRUCTION OCCUPATIONS

- Construction worker
- Carpenter
- Painter
- Bricklayer or mason
- Building contractor
- Building materials dealer, salesman, or yardsman
- Cost estimator
- Building inspector
- Civil engineering technician
- Earth moving equipment operator
- Electrician or lineman
- Plumber or pipefitter
- Sheet metal worker
- Structural steel worker
- Construction welder
- Architect
- Architectural draftsman
- Other, specify

SALES OCCUPATIONS

- General sales worker
- Buyer or merchandiser
- Industrial sales manager
- Retail store manager
- Advertising assistant
- Sales or grocery store checker or cashier
- Supermarket department head
- Clothes and accessories salesperson
- Fabric and sewing supplies salesperson
- Home furnishings salesperson
- Sporting goods salesperson
- Lawn and garden supplies salesperson
- Hardware salesperson
- Insurance salesman
- Real estate salesman
- Other, specify

B. MEDIA, ART, AND ENTERTAINMENT OCCUPATIONS

- Designer or entertainer
- Journalist
- Author or writer
- Editor
- Publisher
- Bookbinder
- Print shop foreman
- Printing pressman
- Typesetter
- Photographer
- Photographic assistant
- Photographic darkroom technician
- Fashion or photographer's model
- Fashion designer
- Displayman
- Illustrator or layout man
- Sign painter
- Artist
- Floral designer
- Industrial or product designer
- Actress or actor
- Dramatic or theater artist
- Dancer or performer
- Drama coach or director
- Professional musician or singer
- Professional athlete
- Radio or TV announcer
- Radio or TV program director
- Radio or TV control room technician
- Radio or TV equipment operator
- Radio or TV reporter
- Other, specify

E. MAINTENANCE AND REPAIR OCCUPATIONS

- Maintenance and repair worker
- Air conditioning or refrigeration mechanic
- Industrial maintenance mechanic
- Building maintenance man
- Electric motor repairman
- Electronics mechanic or technician
- Radio or TV serviceman
- Gas or electric appliance serviceman
- Maintenance electrician
- Instrument or watch repairman
- Musical instrument repairman
- Office machine repairman
- Repair welder
- Other, specify

H. FOOD SERVICE AND LODGING OCCUPATIONS

- Food service or lodging worker
- Bellman
- Caterer
- Cook or baker
- Kitchen helper
- Kitchen supervisor
- Meat cutter or butcher
- Food technologist
- Restaurant hostess
- Restaurant manager
- Waiter or waitress
- Custodian
- Housekeeper
- Hotel or motel manager
- Other, specify

C. BUSINESS AND OFFICE OCCUPATIONS

- Business and office worker
- Business administrator
- Business manager
- Banker
- Teller
- Cashier
- Loan officer
- Account executive
- Accounting technician
- Finance expert
- Certified public accountant
- Bookkeeper
- Claims adjuster
- Clerk-typist
- General office clerk
- Receptionist
- Switchboard operator
- General secretary
- Legal secretary
- Medical secretary
- Stenographer
- Key-punch operator
- Computer programmer
- Computer systems analyst
- Shipping and receiving clerk
- Office machine operator
- Office supervisor
- Personnel director
- Public relations specialist
- Industrial relations director
- Market research analyst
- Survey worker
- Credit and collection manager
- Other, specify

F. MANUFACTURING OCCUPATIONS

- Factory worker
- Foundry molding machine operat
- Foundry metal patternmaker
- Mechanical draftsman
- Tool and die maker
- General machinist
- Machine tool set-up operator
- Numerical control machine opera
- Numerical control tool programm
- Electrical discharge machine oper
- Stamp or punch press operator
- Metallurgical assistant
- Quality control technician
- Job or time study analyst
- Fluid-power technician
- Industrial safety technician
- Industrial waste inspector
- Plastics molding machine operato
- Cabinetmaker
- Woodworking machine operator
- Electrical or electronics technicia
- Electromechanical technician
- Engineering technician
- Forklift truck operator
- General inspector
- Leatherworker
- Sewing machine operator
- Combination arc and gas welder
- Electric arc welder
- Inert gas welder
- Oxyacetylene welder
- Cutting torch operator
- Other, specify

MORE OCCUPATIONS LISTED ON BACK OF THIS SHEET

I. HEALTH OCCUPATIONS

- Hospital or health worker
- Dental assistant or technician
- Dental hygienist
- Dentist
- Medical doctor, physician, or surgeon
- Physician's assistant
- Chiropractor
- Osteopath
- Orthodontist
- Medical laboratory technician or assistant
- Medical record technician
- Nuclear medical technologist
- Ambulance attendant
- Hospital orderly
- Nurse's aid
- General nurse
- Licensed practical nurse
- Registered professional nurse
- Electrocardiograph technician
- Electroencephalograph technician
- Cytotechnologist
- Operating room technician
- Inhalation therapist
- Physical therapist
- Physical therapy attendant
- Mental health technician
- Home health aid
- Dietician
- Dietetic technician
- Optometrist
- Optical assistant
- Physiologist
- Psychiatrist
- Psychologist
- Pathologist
- X-ray technician
- Other, specify

J. GENERAL SERVICE OCCUPATIONS

- Private or public service worker
- Community or social services worker
- Social services director
- Clergyman
- Church or religious worker
- Homemaker
- Home economist
- Home furnishings assistant
- Home service representative
- Child care attendant
- Recreation director
- Elementary school teacher
- Secondary school teacher
- Special education teacher
- School teacher's aid
- School counselor
- School administrator
- College instructor
- Librarian
- Interviewer
- Foreign language interpreter
- Diplomat or foreign service worker
- Government official
- Lawyer, attorney, or judge
- Court reporter
- Military officer or career serviceman
- Temporary military serviceman or woman
- Policeman, policewoman, or highway patrolman
- Fireman
- Watchman or guard
- Mail carrier or post office worker
- Sanitarian worker
- Barber
- Cosmetologist or beautician
- Masseur or masseuse
- Bartender
- Dressmaker or tailor
- Clothing maintenance specialist
- Fashion coordinator
- Interior designer or decorator
- Upholsterer
- Carpet and linoleum layer
- Carpet and upholstery cleaner
- Dry cleaner or launderer
- Laundry steam press operator
- Janitor
- Urban planner
- Funeral director or undertaker
- Building and safety inspector
- Food and drug inspector
- Solid waste technician
- Speech clinician
- Politician
- Auctioneer
- Other, specify

K. SCIENTIFIC OCCUPATIONS

- Scientist or engineer
- Archaeologist
- Anthropologist
- Astronomer
- Bacteriologist
- Biologist
- Botanist
- Cartographer
- Chemist
- Economist
- Aeronautical engineer
- Ceramic engineer
- Chemical engineer
- Civil engineer
- Electrical engineer
- Industrial engineer
- Mechanical engineer
- Sanitary engineer
- Geophysicist
- Geologist
- Meteorologist
- Jeweler
- Mathematician
- Actuary
- Oceanographer
- Pharmacist
- Philosopher
- Historian
- Physicist
- Political scientist
- Research analyst
- Sociologist
- Zoologist
- Other, specify

L. TRANSPORTATION RELATED OCCUPATIONS

- General mechanic
- Service station attendant
- Automobile garage mechanic
- Automobile body and fender repairman
- Automobile painter
- Automobile parts counterman
- Automobile salesman
- Diesel mechanic
- Hydraulic or fluid power mechanic
- Aircraft and engine mechanic
- Airline stewardess
- Airline reservationist
- Airplane pilot
- Flight engineer or navigator
- Ground control operations specialist
- Railroad trainman
- Railroad agent
- Small gas engine repairmen
- Motorcycle repairmen
- Bicycle repairmen
- Light-truck driver
- Tractor-trailer truck driver
- Traffic engineer
- Motor vehicle dispatcher
- Tire recapper
- Other, specify

K. MONTHLY REPORTS

MONTHLY REPORT
For
Area XIV Career Education Assessment Study

February 27, 1975

1. Began an extensive amount of reading to understand the concept of Career Education, to establish a direction for our Career Needs Assessment Study, and to seek out data that can be used for our Area XIV study.

2. Started compiling data from various sources such as the "CENIS Report", "Kirkwood Community College Report", and the "State Manpower Plan" which are pertinent to our Area XIV Study. Other sources are also being used.

3. Written letters to: Ken Wold, D.P.I., Sam Willey, D.P.I., Edward Ranney, D.P.I., and Mr. Roger Nall, Consultant, Career Education of Cedar Rapids to obtain information and reports that can be used for our career needs assessment study. We have also corresponded with Mr. Zeke Bailey of the Governor's Office of Planning and Programming in Des Moines and his information has been extremely helpful.

4. We spoke with Mr. Jim Steffensmeier, Iowa Department of Social Services in Creston to set up a meeting for myself, Mr. Cross, Mr. Steffensmeier and Betty Wargo, social worker. We hope to obtain necessary data and information of the social agency needs in our area and the social agency client needs for our career needs assessment. Mr. Steffensmeier will be sending student related information to us concerning their programs.

5. Set meeting date with Mr. Steffensmeier and Mrs. Wargo for March 7.

6. Scheduled meeting with the five Superintendents of the Working Committee for March 5 to meet with Mr. Cross and myself to discuss questions gathered for student interest survey and the survey to determine career education needs in the schools of Area XIV.

7. We are keeping a running list of recommendations as data is gathered and studied.

Monthly Report
for
Area XIV Career Education Needs Assessment Study

March 31, 1975

1. Began sending out Senior parents' survey. This was done to determine parents' attitudes toward career education. Survey done in six schools in Area XIV: Bridgewater-Fontanelle, East Union, Corning, Prescott, Lenox and Red Oak.

2. Meet with the Working Committee of five Area XIV Superintendents of schools on March 5. Worked on and revised the student surveys and administrative surveys to be conducted by Southwestern Community College in the 22 school districts.

3. Sent teacher surveys out to each school district. We are surveying approximately 10% of the faculty for each school district in Area XIV. Superintendents will distribute copies to the faculty members to be surveyed. Surveys for teachers were sent out March 6, 1975.

4. Meet with Mr. Jim Steffensmeier and Betty Wargo of Iowa Department of Social Services. We acquired good information on agency needs and client needs in relation to career education.

5. Meet with Mrs. Gretchen Berg of the Iowa Employment Security of Creston. I received description of their services and other information on their department.

6. Meet with Mr. Gary Underwood, Counselor, Vocational Rehabilitation. We worked on a description of their services and some of the ways in which they are using the schools and college in Area XIV.

7. Sent out administrative surveys with a cover letter March 14, 1975.

8. Set up visitation schedule with the twenty-two superintendents in Area XIV to pick up all surveys and to answer any questions they might have pertaining to the Needs Assessment Study for Career Education.

9. Set up an appointment with Mr. Jim Almquist of Iowa Extension Services on April 4 to gather further social agency information.

10. Began school visitations March 24, 1975. These visitations are scheduled through April 11.

11. Started compiling student survey information from those schools I have already visited.

Area XIV Career Education Needs Assessment Study
Monthly Report

April 30, 1975
Submitted By: Mary Wilson, Coordinator

1. Meet with Mr. Joe Pals, Director, MATURA Action Corporation, on April 10 to get a description of services for the Agency.

2. Completed school visitation schedule.

3. Worked up composite for Area XIV Students Occupational Cluster Inventory and a composite on Teachers' Surveys for Area XIV.

4. Meet with the Advisory Committee for the Area XIV Career Education Needs Assessment Study on April 29, 1975. Committee members are: Mrs. Judy Dietrich, Parent Representative; Bob LaValley, Wellman Dynamics, Industrial Representative; Mrs. Gretchen Berg, Manager, Iowa Employment Security Commission Betty Wargo, Social Worker, Iowa Department of Social Services; Dr. Kenneth Melles, President of Area XIV Superintendents' Committee; Dr. Pat Kelly, Administrator, Green Valley Area Education Agency Area XIV; Leo Kaster, Editor, Afton Star Enterprise; Ken Matthews, Building Trades Instructor, Southwestern Community College; Roy Bastian, Southwest Iowa Learning Resources Center; Chuck Ehm, Iowa State Savings Bank, Agriculture Representative; and Gary Underwood, Counselor, Vocational Rehabilitation.

5. I am presently breaking down the Student Interest Inventory by school. Each school is being broken down into 10th and 11th graders' interests. A further break down is being done on Occupational Cluster offerings. Tenth and eleventh graders' interests under each cluster will be shown.

6. I am presently working on teachers surveys and breaking them down by schools.

7. The administrators' surveys will be done during the month of May.

Area XIV Career Education Needs Assessment Study
Monthly Report

May 30, 1975
Submitted By: Mary Wilson, Coordinator

1. We have completed all student survey information and recorded findings. The findings for each school have been sent to the Superintendent for his particular school district. A composite for all schools' student surveys has been done.

2. The findings for the teachers surveys have been completed and recorded for each school as well as a composite for all schools.

3. Minutes of the General Advisory Committee for the Study have been sent to all committee members.

4. Set up meeting and sent out packet of information to the five Superintendents on the Working Committee. The Working Committee will meet June 11, 1975 at 9:30 a.m. to discuss several things left to work on for the Needs Assessment Study and discuss finalizing the report.

5. Presently working on charting answers from Administrative Surveys for each school plus a composite for all schools.

Area XIV Career Education Needs Assessment Study
Monthly Report

June 30, 1975
Submitted By: Mary Wilson, Coordinator

1. Sent out monthly report for May
2. Met with Working Committee of Superintendents on June 11 at 9:30 a.m. We worked on items to help finalize the Study.
3. Sent out bills to Lamoni, Grand Valley, Villisca and Stanton schools for their $50.00 to be sent to Southwestern Community College for the Area XIV Career Education Needs Assessment Study.
4. Working on finalizing surveys and getting them charted.
5. Getting ready to send out rough draft copy of the Study to all Superintendents in Area XIV by August 15.

MONTHLY REPORT
For
Area XIV Career Education Assessment Study

July 31, 1975

1. Mr. Cross and myself are working on getting the rough draft of the Study ready to be mailed out August 15. I am in the process of getting all necessary materials together and typing them in appropriate form.

2. Sent in a special report requested by Dr. Ken Wold, Department of Public Instruction, for our Area XIV Needs Assessment Study for Career Education.

3. Sent in Quarterly Report with financial data to Dr. Wold.

L. QUARTERLY REPORTS

Quarterly Report
For
Area XIV Career Education Assessement Study
Submitted By
Mary Wilson, Coordinator

February 1, 1975 - April 9, 1975

1. Began an extensive amount of reading to understand the concept of Career Education, to establish a direction for our Career Needs Assessment Study, and to seek out data that can be used for our Area XIV Study.

2. Started compiling data from various sources such as the "CENIS Report", "Kirkwood Community College Report", and the "State Manpower Plan" which are pertinent to our Area XIV Study. Other sources are also being used.

3. Written letters to: Dr. Ken Wold, D.P.I., Sam Willey, D.P.I., Edward Ranney, D.P.I., and Mr. Roger Nall, Consultant, Career Education of Cedar Rapids to obtain information and reports that can be used for our career needs assessment study. We have also corresponded with Mr. Zeke Bailey of the Governor's Office of Planning and Programming in Des Moines and his information has been extremely helpful.

4. We spoke with Mr. Jim Steffensmeier, Iowa Department of Social Services in Creston to set up a meeting for myself, Mr. Cross, Mr. Steffensmeier and Betty Wargo, social worker for Iowa Department of Social Services. We hope to obtain necessary data and information of the social agency needs in our area and the social agency client needs for our career needs assessment. Mr. Steffensmeier will be sending student related information to us concerning their programs.

5. Set meeting date with Mr. Steffensmeier and Mrs. Wargo for March 7.

6. Scheduled meeting with the five Superintendents of Area XIV on the Working Committee for March 5 to meet with Mr. Cross and myself to discuss questions gathered for student interest survey and the survey to determine career education needs in the schools of Area XIV.

7. We are keeping a running list of recommendations as data is gathered and studied.

8. Sent out to all Superintendents in Area XIV and Dr. Kelly, Administrator of the Green Valley Area Education Agency a monthly progress report for the month of February on the Area XIV Career Education Needs Assessment Study.

9. Began sending out Senior parents' survey. This was done to determine parents' attitudes toward career education. Survey done in six schools in Area XIV: Bridgewater-Fontanelle, East Union Community School, Corning, Prescott, Lenox and Red Oak.

10. Meet with the Working Committee of five Area XIV Superintendents of schools on March 5. Worked on and revised the student surveys and administrative surveys to be conducted by Southwestern Community College in the 22 school districts.

11. Sent teacher surveys out to each school district. We are surveying approximately 10% of the faculty for each school district in Area XIV. Superintendents will distribute copies to the faculty members to be surveyed. Surveys for teachers were sent out March 6, 1975.

12. Meet with Mr. Jim Steffensmeier and Betty Wargo of Iowa Department of Social Services. We acquired good information on agency needs and client needs in relation to career education.

13. Meet with Mrs. Gretchen Berg of the Iowa Employment Security of Creston. I received description of their services and other information on their department.

14. Meet with Mr. Gary Underwood, Counselor, Vocational Rehabilitation. We worked on a description of their services and some of the ways in which they are using the schools and college in Area XIV.

15. Sent out administrative surveys with a cover letter March 14, 1975.

16. Set up visitation schedule with the twenty-two superintendents in Area XIV to pick up all surveys and to answer any questions they might have pertaining to the Needs Assessment Study for Career Education.

17. Set up an appointment with Mr. Jim Almquist of Iowa Extension Services on April 4 to gather further social agency information.

18. Began school visitations March 24, 1975. These visitations are scheduled through April 11.

19. Started compiling student survey information from those schools I have already visited.

20. Sent out to all Superintendents in Area XIV and Dr. Kelly, Administrator of the Green Valley Area Education Agency a monthly progress report for the month of March on the Area XIV Career Education Needs Assessment Study.

21. Set up meeting on April 10 with Mr. Joe Pauls, Director, MATURA Action Corporation for further social agency information for Career Education Needs Assessment Study.

Area XIV Career Education Needs Assessment Study
Approximate Expenditures for:

February 1, 1975 - March 31, 1975

Printing	$ 44.98
Phone	$ 1.57
Postage	$124.20
Office Materials	$ 48.57
Travel	$ 32.10
	$251.42

Quarterly Report
For
Area XIV Career Education Needs Assessment Study
Submitted by
Mary Wilson, Coordinator

April 10, 1975 - July 10, 1975

1. Completed all school visitation schedule.

2. Worked up composite for Area XIV Student Occupational Cluster Inventory and a composite on Teachers' Surveys for Area XIV.

3. Met with the Advisory Committee for the Area XIV Career Education Needs Assessment Study on April 29, 1975. Committee members are: Mrs. Judy Dietrich, Parent Representative; Bob LaValley, Wellman Dynamics, Industrial Representative; Mrs. Gretchen Berg, Manager, Iowa Employment Security Commission; Betty Wargo, Social Worker, Iowa Department of Scoial Services; Dr. Kenneth Mallas, President of Area XIV Superintendents' Committee; Dr. Pat Kelly, Administrator, Green Valley Area Education Agency Area XIV; Leo Kaster, Editor, Afton Star Enterprise; Ken Matthews, Building Trades Instructor, Southwestern Community College; Roy Bastian, Southwest Iowa Learning Resources Center; Chuck Ehm, Iowa State Savings Bank, Agriculture Representative; and Gary Underwood, Counselor, Vocational Rehabilitation.

4. I have broken down the Student Interest Inventory by school. Each school is being broken down into 10th and 11th graders' interests. A further break down is being done on Occupational Cluster offerings. Tenth and eleventh graders' interests under each cluster will be shown.

5. I am presently working on teachers surveys and breaking them down by schools.

6. The administrators' surveys will be done during the month of May.

7. We have completed all student survey information and recorded findings. The findings for each school have been sent to the Superintendent for his particular school district. A composite for all schools' student surveys has been done.

8. The findings for the teachers surveys have been completed and recorded for each school as well as a composite for all schools.

9. Minutes of the General Advisory Committee for the Study have been sent to all committee members.

10. Set up meeting and sent out packet of information to the five Superintendents on the Working Committee. The Working Committee will meet June 11, 1975 at 9:30 a.m. to discuss several things left to work on for the Needs Assessment Study and discuss finalizing the report.

11. Presently working on charting answers from Administrative Surveys for each school plus a composite for all schools.

12. Sent out monthly report for May

13. Met with Working Committee of Superintendents on June 11 at 9:30 a.m. We worked on items to help finalize the Study.

14. Sent out bills to Lamoni, Grand Valley, Villisca and Stanton schools for their $50.00 to be sent to Southwestern Community College for the Area XIV Career Education Needs Assessment Study.

15. Working on finalizing surveys and getting them charted.

16. Getting ready to send out rough draft copy of the Study to all Superintendents in Area XIV by August 15.

17. Typing rough draft of Study.

18. Getting monthly report for July ready.

M. BASIC RESOURCE DOCUMENTS ON CAREER EDUCATION

December 1974

6300-B65341-1/75

BASIC RESOURCE DOCUMENTS ON CAREER EDUCATION

During the past few years, a wealth of literature has emerged on the topic of career education. This literature includes conceptual papers, books, journal articles, teaching guides, sample instructional materials, abstracts of newly initiated pilot and demonstration projects, progress reports from ongoing projects, evaluation reports, research studies, etc.

Several basic resource documents have been prepared in an attempt to bring various segments of this growing body of literature under bibliographic control. A number of these basic resource documents have been entered into the ERIC System and are now available from the ERIC Document Reproduction Service.

Attached is a list of the basic resource documents on career education which are now available in the ERIC System. In many States, free access to ERIC Collections is available through the State department of education and/or university libraries. In such States, an individual needs only to cite the "ED" number of the document desired and it can be retrieved from the ERIC Collection maintained by the State or by a university.

Individuals who do not have ready access to a State-maintained ERIC Collection can place direct orders for ERIC Documents from the national ERIC Document Reproduction Service. A microfiche reproduction of an ERIC Document costs 75 cents (plus postage). A full-size hard-copy reproduction of the document costs $4.20 per 100 pages (plus postage). An order should specify the "ED" number of the document desired, should state whether a microfiche or a hard-copy reproduction is wanted, and should include a check, money order, or official purchase order. Orders should be addressed to:

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P.O. Box 190
Arlington, Virginia 22210

BASIC RESOURCE DOCUMENTS ON CAREER EDUCATION

1. Bailey, Larry J. Facilitating Career Development: An Annotated Bibliography, I. Springfield, Illinois: Illinois State Board of Vocational Education and Rehabilitation; July 1970. (ED-042-217)

2. Bailey, Larry J. Facilitating Career Development: An Annotated Bibliography, II. Carbondale, Illinois: Southern Illinois University; February 1974. (ED-092-674).

3. Begle, Elsie P. Career Education: An Annotated Bibliography for Teachers and Curriculum Developers. Palo Alto, California: American Institutes for Research; January 1973. (ED-073-297).

4. Herr, Edwin L. Review and Synthesis of Foundations for Career Education. Columbus, Ohio: Ohio State University; March 1972. (ED-059-402)

5. High, Sidney C. and Linda Hall. Bibliography on Career Education. Washington, D.C.: U.S. Office of Education; May 1973. (ED-079-554)

6. High, Sidney C., Nancy Rhett, and others. Abstracts of Research and Development Projects in Career Education Supported Under Part C of the Vocational Education Amendments of 1968. Washington, D.C.: U.S. Office of Education; June 1972. (ED-063-520)

7. High, Sidney C., Joyce Cook, and Others. Abstracts of Exemplary Projects Supported Under Part D of the Vocational Education Amendments of 1968. Washington, D.C.: U.S. Office of Education; November 1971. (ED-060-189)

8. Indiana Career Resource Center. Resources for Career Development. South Bend, Indiana: Indiana University; 1972. (ED-075-637)

9. Lakeshore Technical Institute. K-14 Career Education Multi-Media Catalogue. Sheboygan, Wisconsin: Sheboygan Public Schools; 1972. (ED-075-639)

10. Moore, Allen B. Abstracts of Instructional Materials for Career Education. Columbus, Ohio: Ohio State University; 1972. (ED-068-627)

11. Moore, Allen B. Abstracts of Instructional Materials for Career Education (Supplement). Columbus, Ohio: Ohio State University; 1973. (ED-075-576)

12. Peat, Marwick, Mitchell and Co. Instructional Materials for Career Education: A Search and Assessment for the Office of Education. February 1974. (ED-090-441)

13. Peterson, Marla. Enrichment of Teacher and Counselor Competencies in Career Education, K-6: An Annotated Bibliography. Charleston, Illinois: Eastern Illinois University; October 1972. (ED-073-287)

14. Reynolds, William E. A National Annotated Bibliography of Curriculum Materials in Vocational and Career Education. Springfield, Illinois: Illinois State Board of Vocational and Rehabilitation; 1974. (ED-090-442)